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 Agency's Number : MANHATTAN : N/A Program / Asset # : DOT0199.010 / 14223 Yr Built/Renovated : 2010/ Area Sq Ft : 7,600 **Project Type** : FERRIES **Date of Survey** : 29-Jul-2015 **Landmark Status** : NONE

Areas Surveyed : Floors 1

Block : 966 Lot : 50 BIN :

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

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



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

^{**} 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

Architecture	Curren	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior							
Exterior Walls							
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	
	Deteriorated Finish Location : Throug	n, Extent : Light, Area shout	a Affected	d : 25%			
Window Wall	2%		2052	* *	5	\$18,600	
Wood	6% 4+	\$15,300	2043	* *	5	\$37,200	
	Deteriorated Finish Location : Ticket	a, Extent : Moderate, Booth Facade	Area Aff	ected : 100%			
Windows	400-		-0.45		_		
Aluminum	100%		2048	* *	5		
Roof	0.00					****	
Single Ply Membrane	92%	E	2034	**	10	\$195,200	
	Location : Throug	Extent : Light, Area	Affectea	: 100%			
	_	noui ht Weight Fabric Str					
NT . A		ni weigni Fabric Sir	истите				
Not Accessible	8%	Entered Links Amon	A CC 4 - 1	. 00/			
	Location :	Extent : Light, Area	Ајјестеа	: 0%			
		of Atop Ticket Booth	Inggagg	aible			
	assume Concrete		- inacces	sible			
terior							
Floors	5 00/		TIPE	والمراجعة	~	ф. с дд д 0.0	
Cast in Place Concrete	50%		LIFE	* *	5	\$677,700	
Vinyl Tile	50%		2034	* *	3	\$58,100	
Interior Walls	500 /		LIDE	ale ale	-	#04.500	
Concrete Masonry Unit	50%		LIFE	* *	5	\$84,500	
Gypsum Board	50%		LIFE	* *	5-10	\$179,500	
Ceilings	500 /		TIPE	* *	10	ф 2 00 000	
Exposed Struc: Steel	50%	E. T. L. A	LIFE		10	\$309,800	
		Extent : Light, Area	Affected	: 100%			
	Location : Mecha						
C D 1	Explanation : Met	иі Бескіпд	LIDE	* *	7.10	Φ522.500	
Gypsum Board	50%		LIFE	* *	5-10	\$532,500	

Electrical	Current Repair	Future Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts					
Service Equipment					
Molded Case Bkrs	100%	2052 **	5	\$200	
	Other Observation, Extent: Moderate, A	Area Affected : 100%			
	Location: Electrical Room				
	Explanation : Main Service Switch Ra	ted @ 400 Amperes			

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

Electrical	Current Repair	Future Rep	lacement	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estin	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
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		
Fround						
Grounding Devices	1000/		de de	_	Φ200	
Generic	100%	LIFE	* *	5	\$200	
tand-by Power						
Transfer Switches	1000/	20.42	* *	1	¢2 200	
Automatic	100%	2043	* *	1	\$2,300	
Generators Diesel	100%	2039	* *	1	\$2,000	
Diesei	Other Observation, Extent : Mode			1	\$2,900	
	Location: Generator Room	гине, Агеи Аујеснеи .	100/0			
	Explanation: Emergency General	ator Patad @ 77 Kw				
Batteries	Explanation: Emergency General	ator Katea @ 77 Kw				
Lead/Acid	100%	2021	\$1,500	5	\$300	
Fuel Storage	10070	2021	Ψ1,500		Ψ300	
Main Tank	100%	2061	* *	5	\$200	
Turni	Other Observation, Extent : Mode		100%	5	Ψ200	
	Location : Generator Room	, 33				
	Explanation : No Available Nam	eplate Rating Capac	itv			
ighting	1	1 0 1				
Interior Lighting						
Fluorescent	100%	2034	* *	10	\$7,000	
	T-8 Lamps, Extent : Moderate, Are	ea Affected : 100%				
	Location : Throughout The Build	ling				
Egress Lighting						
Emergency, Service	50%	2034	* *	1		
Exit, Service	50%	2034	* *	1		
Exterior Lighting						
HID	100%	2034	* *	10		
Marm						
Security System						
No Component	50%					
Generic	50%	2034	* *	1	\$1,400	
	Other Observation, Extent: Mode	rate, Area Affected :	100%			
	Location : Outside					
	Explanation: Cctv Surveillance	Cameras				

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

Mechanical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Electricity	15%		2052	* *	1		
No Component	85%						
Conversion Equipment	100/		2020	* *	2	Φ200	
Heat Pump Radiant Heater	10%		2030	**	2	\$200	
Radiant Heater	5%	Extent : Light, Area	2034		2	\$200	
	Location: Utility	=	Ајјестеи	. 570			
	Explanation: 1 U						
No Component	85%						
Terminal Devices	0.5%						
Fan Coil Unit/Heat	10%		2034	* *	1	\$300	
No Component	90%		2034		1	Ψ300	
Air Conditioning	7070						
Energy Source							
Electricity	10%		2048	* *	1		
No Component	90%						
Conversion Equipment							
Heat Pump	10%		2030	* *	2		
	R-134a Refrigerant,	Extent : Light, Area	ı Affected	d: 10%			
	Location : Ticket (Office Roof					
No Component	90%						
Terminal Devices							
Fan Coil - Cool/Heat	10%		2034	* *	1	\$300	
No Component	90%						
Heat Rejection							
Air Condenser Unit	10%		2034	* *	2	\$500	
No Component	90%						
Ventilation							
Distribution Ductwork/Diffusers	100/		LIDD	* *	2.5	¢700	
	10% 90%		LIFE	4. 4.	2-5	\$700	
No Component Exhaust Fans	90%						
Roof	10%		2034	* *	2		
No Component	90%		2034		2		
Plumbing	7070						
H/C Water Piping							
Brass/Copper	10%		2052	* *	1		
No Component	90%						
Water Heater							
Not Accessible	100%						
Sanitary Piping							
Cast Iron	10%		LIFE	* *	1		
No Component	90%						
Backflow Preventer							
No Component	90%		2021			***	
Generic	10%		2034	* *	1	\$100	

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

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

Page: 5

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

Asset #: 14223

Mechanical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Plumbing				
Fixtures				
Generic	100%			

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 / 2420Yr Built/Renovated: 1950 / 2013Area Sq Ft: 279,135Project Type: FERRIESDate of Survey: 16-Jun-2015Landmark Status: NONE

Areas Surveyed : Roof, Floors 1,2

Block : 2 Lot : 1 BIN : 5141706

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$339,900	\$144,900	\$249,900	\$151,200
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
importance code C	\$30,900			φ10,700



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

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

Asset #: 2420

rchitecture		Current l	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior	•							•
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	
			nents, Extent : Mod	erate, Ar	ea Affected : 2%			
	Location	: Restaura	ant On First Floor					
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	
		_	Extent : Moderate, A	Area Affe	cted : 100%			
		: Bulkhea						
			, Extent : Moderate	, Area A	ffected : 50%			
	Location	: Slips						
Parapets	200/			LIEE	* *	7.10	Ф22 000	
Masonry: Brick	20%	4.	¢12.700	LIFE	**	5-10	\$23,000	
Metal Panel	10%	4+	\$12,700 nents, Extent : Mod	2046		5	\$3,300	
		: West Sli		eraie, Ar	ей Ајјестей . 5%			
M (I D 'I		. west stip		2020	* *	7.10	Ф212 000	
Metal Rail	70%			2039	* *	5-10	\$212,800	
Roof	15%	Now	\$22,900	2021	\$229,300	5	\$22,900	
Asphalt Macadam			Extent : Moderate			3	\$22,900	
	_	_	e Above Main Cond	_	jecieu . 1070			
			tent : Moderate, Ai		ted : 30%			
	_		e Above Main Cond					
Cast in Place Concrete	10%			LIFE	* *	10	\$76,300	
Metal Panel	15%			2039	* *	10	\$125,900	
Modified Bitumen		Now	\$104,100	2026	\$1,041,200	10	Ψ123,700	
Wodiffed Bitamen			derate, Area Affecto					
			tail On First Floor					
	Ponding, I	Extent : Mo	oderate, Area Affec	ted : 15%	ó			
			tail On First Floor					
Paver: Asphalt	10%	Now	\$80,100	2035	* *			
i aver. Aspiiait			nents, Extent : Mod		ea Affected : 10%			
		-	st Floor Corridor	,				
	Vegetation	Growth. I	Extent : Moderate, 1	Area Affe	ected : 15%			
	_		st Floor Corridor	33				
Sloped Glazing	5%			LIFE	* *	5	\$610,200	
Not Accessible	5%			LIII		5	ψ010,200	
11001100000000		ervation. F	Extent : Light, Area	Affected	: 0%			
			vice/ Oil Room Wir		- · · · ·			
			Is A New Green Ro	_	ed With Tall Gras	sy Vegeta	ıtion	

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

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

Asset #: 2420

Architecture		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nterior								
Floors								
Cast in Place Concrete	20%			LIFE	* *	5	\$213,600	
			Extent : Light, Area	Affected	: 100%			
		ı : At Slips						
	Explana Survey	tion : Mova	ible Steel Ferry Bo	arding B	ridges And Gallow	s Not Inc		
Ceramic Tile	60%		\$831,500	2035	* *	5	\$73,200	
	_	_	Extent: Moderate	, Area A	ffected : 25%			
		ı : Concour						
			Extent : Light, Area	Affected	: 75%			
		ı : Concour						
	Explana	tion : Laid	Over Old Terrazzo		3			
Steel Grating	5%			2052	* *	1		
Terrazzo	3%			LIFE	* *	5	\$11,400	
			Extent : Light, Area	Affected	: 10%			
			aiting Room					
	Explana	tion : Inlaid	d Harbor Map					
Terrazzo	2%		\$22,200	LIFE	* *	5	\$3,800	
	_	_	Extent: Moderate	-	ffected : 80%			
			rnstile Entrance A					
			: Moderate, Area		: 80%			
			rnstile Entrance A					
Vinyl Tile	10%			2026	\$202,700	3	\$12,200	
Interior Walls								
Ceramic Tile	20%			2035	* *	5	\$33,400	
Concrete Masonry Unit	15%			LIFE	* *	5	\$20,000	
Glass: Special Gauge	10%			LIFE	* *	1		
			Extent : Light, Area	Affected	: 100%			
			aiting Room		A LCU: II D	. D		
			ole Glazed Glass Er					
Gypsum Board	30%			LIFE	* *	5-10	\$85,000	
SGFT/Glazed Masonry	25%			LIFE	* *	10	\$20,800	
Ceilings	1.00/			2020	* *	F	¢20.100	
AcousTileSusp.Lay-In	10%			2039	**	5 5 10	\$20,100	
Exposed Concrete Exposed Struc: Steel	20% 10%			LIFE LIFE	* *	5-10 10	\$50,300 \$40,200	
Gypsum Board	40%		\$79,400	LIFE	* *	5	\$40,200	
Сурѕиш Боага			\$ 19,400 nents, Extent : Mod			3	\$100,300	
			nenis, Exieni : Moa Incourse And Retai		ен пујестен. 370			
			ncourse Ana Keiai Extent : Moderate, A		cted : 15%			
			ncourse And Retai		ски. 15/0			
Matal Devel			neom se ma netur		* *	F	¢100 500	
Metal Panel	20%			LIFE	* *	5	\$100,500	

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

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

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

Asset #: 2420

Electrical	Current Repair	Futur	Future Replacement Main		aintenance	
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Over 600 Volts						
Service Equipment						
Air Circuit Breaker	100%	2046	* *	3	\$1,000	
Transformers						
Dry Type	100%	2039	* *	3	\$1,500	
	Other Observation, Extent .	Light, Area Affected	: 100%			
	Location : Electrical Room					
	Explanation: Two 2000 I	Kva 4160 Volts To 120	0/208 Volts			
Feeders						
Cable	100%	2042	* *	1		
Raceway	0.00					
Conduit	90%	2046	* *	1		
Tray	10%	2039	* *	1		
Under 600 Volts						
Service Equipment				_		
Molded Case Bkrs	100%	2046	**	5	\$7,300	
	Other Observation, Extent .		: 100%			
	Location: Electrical Room					
	Explanation : Six 4000 Ar For Tenant Spaces	nps, Four 3200 Amps	And Two 2000 Am	ıp Main I	Disconnect Switch	
Switchgear / Switchboard	1 or Tenum Spaces					
Fused Disc Sw	20%	2046	* *	5	\$200	
Molded Case Bkrs	80%	2046	* *	5	\$5,900	
Raceway	0070	20.0			42,500	
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	
	Other Observation, Extent .	Light, Area Affected	: 100%			
	Location: Mechanical Ro	oom				
	Explanation : All Motor C Building Management Sys		le Frequency Driv	es And C	onnected To	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$8,200	
Stand-by Power						
Transfer Switches						
Automatic	50%	2039	* *	1	\$42,900	
Automatic	50%	2046	* *	1	\$42,900	
	Recent Installation, Extent		: 100%			
	Location : Electrical Root	m				

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

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

Asset #: 2420

Electrical	Current Repair	Future Replacement		Maintenance			
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estima FY	ted Cost	Cycle (Yrs)	Estimated Cost	Priority	
tand-by Power							
Generators	450/	2025	* *	1	Φ40.c00		
Diesel	45% Other Observation, Extent : Light, Area Location : Exterior Explanation : 1000 Kva Diesel Genera		ጥ ጥ	1	\$48,600		
Diesel	45% Other Observation, Extent: Light, Area Location: Generator Room Explanation: One 400 Kw	2041 Affected : 100%	* *	1	\$48,600		
Diesel	10% Other Observation, Extent : Light, Area Location : Slips Explanation : Four Portable Generate		* *	1	\$10,800		
Batteries							
Lead/Acid	100%	2019	\$1,500	5	\$10,300		
Fuel Storage Day Tank	20% Other Observation, Extent : Light, Area Location : Exterior	2042 Affected : 100%	* *	5	\$10,400		
	Explanation: One 750 Gallon - Also S	Serves Boiler					
Day Tank	20% Other Observation, Extent : Light, Area Location : Generator Room Explanation : One 275 Gallons	2051 Affected : 100%	* *	5	\$10,400		
Main Tank	40% Other Observation, Extent: Light, Area Location: Underground Explanation: One 4000 Gallons	2054 Affected : 100%	* *	5	\$3,300		
Main Tank	20% Other Observation, Extent: Light, Area Location: Fuel Storage Room Explanation: Two 5000, One 2000, Ty Generators, Vessels And Boilers		* * 10000 Ga	5 ullon Tan	\$1,600 ks For		
ighting							
Interior Lighting Fluorescent	65% T-8 Lamps, Extent : Light, Area Affected Location : Throughout	2031 d: 100%	* *	10	\$166,400		
HID	35%	2031	* *	10	\$3,200		
Egress Lighting					1-7-3-		
Emergency, Service	50%	2031	* *	1			
Exit, Service	50%	2031	* *	1			

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

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

Asset #: 2420

Electrical	Current Repair	Future I	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Exterior Lighting						
Fluorescent	5%	2031	* *	10	\$1,300	
	Compact Fluorescent Light, E	Extent : Light, Area Af	ffected : 100%			
	Location: Pedestrian Ramp					
HID	95%	2031	* *	10	\$800	
	Other Observation, Extent: Light, Area Affected: 100%					
	Location : Exterior					
	Explanation: Controlled Vi	a Photocell				
Alarm						
Security System						
No Component	70%					
Generic	30%	2026	\$247,400	1	\$31,300	
Fire/Smoke Detection						
No Component	70%					
Generic	30%	2031	* *	1-3	\$51,600	

Mechanical	Current Repair	Future Replac	cement	Ma		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estima FY	ted Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Interruptible Gas/Dual Fuel	100%	2046	* *	1		
Conversion Equipment						
Hot Water Boiler	90%	2039	* *	1	\$124,200	
	Other Observation, Extent: Light,	$Area\ Affected: 100\%$				
	Location: Mechanical Room					
	Explanation: 3 Units					
Radiant Heater	10%	2031	* *	2	\$12,900	
	Other Observation, Extent: Light,	Area Affected: 100%				
	Location: Concourse					
	Explanation : Gas Fired Radian	t Heaters In Ceiling				
Distribution						
Hot Wtr Piping/Pump	100%	2042	* *	4	\$20,600	
Terminal Devices						
Air Handler	50%	2031	* *	1	\$86,300	
Convector/Radiator	35%	2039	* *	1	\$31,600	
Unit Heater-Stm/HW	15%	2031	* *	4	\$3,800	
Air Conditioning						
Energy Source						
Electricity	100%	2042	* *	1		

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

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

Asset #: 2420

Mechanical		Current	Repair	Futur	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 Absorption Chiller/Direct Fire	95%			2031	* *	1	\$287,000	
	Location	n : Mechan	Extent : Light, Area ical Room its - Lithium Bromi					
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	Location Other Ob	l, Extent : L n : Rooftop servation, E	\$15,700 ight, Area Affected Extent : Light, Area		**	2	\$224,700	
	Location Explana	·	oling Towers Servi	ce Both (Chillers			
Ventilation Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$246,400	
	Dented, E Location Not Insula	Extent : Ligh n : 2nd Floo	nt, Area Affected : 1 or Return Air t : Light, Area Affec Ceiling	0%	%		, ,	
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	10070	<u>'</u>		2040		1		
Electric	Location			2024 Affected	\$42,300 !: 100%	4	\$1,600	
Sanitary Piping Cast Iron	100%	ı		LIFE	* *	1		
Storm Drain Piping Cast Iron	100% Blockage Location	/Clogged, I	\$19,000 Extent : Light, Area	LIFE Affectea	* * l : 10%	1		
Sewage Ejector(s) Electric	100%	-		2031	* *	4	\$1,600	
Backflow Preventer Generic	100%			2031	* *	1	\$17,100	

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

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

Asset #: 2420

Mechanical	Current Repair	Future Repla	cement	M	aintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent: Light, A	rea Affected : 100%	;			
	Location: 1st to 2nd Floor					
	Explanation : Three Units, Two Pa	ssenger, One Freigi	ht			
Escalators						
Under 20' Rise	100%	LIFE	* *			
	Other Observation, Extent : Light, A	rea Affected : 100%	,)			
	Location: 1st to 2nd Floor					
	Explanation: One Unit					
Fire Suppression						
Standpipe						
Generic	100%	2046	* *	1-5	\$140,700	
Sprinkler						
Generic	100%	2046	* *	1-2	\$78,200	

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$174,900	\$32,000	\$70,400	\$31,900
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
Total	\$174.900	\$32,000	\$70,400	\$31,900



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

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

Asset #: 4379

Architecture	Current Repair	Future Replacement	Maintenance				
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority		
xterior							
Exterior Walls							
Cast in Place Concrete	5%	LIFE **	5	\$75,100			
Masonry: Brick	35% 4+ \$31,000		5	\$52,600			
	Jnt Mortar Miss/Erod, Extent: Light,	Area Affected : 10%					
	Location: Throughout						
Masonry: Brick	45%	LIFE **	5	\$135,200			
Metal Panel	10%	2046 **	5-10	\$103,300			
Metal Coiling Doors	5%	2039 **	5	\$23,500			
Windows	1000/	2048 **	_	¢20, 200			
Aluminum	100% Recent Replace Evident, Extent : Ligh	2040	5	\$20,200			
	Location: Throughout	n, Area Affectea . 100%					
Doronoto	Locution : Intoughout						
Parapets Masonry: Brick	85%	LIFE **	5-10	\$30,900			
Masonly. Blick	Recent Repair Evident, Extent : Light,	LII L	3-10	\$30,900			
	Location: Throughout	Thea Typeciea . 10070					
Metal Panel	10%	2046 **	5	\$2.100			
Metai Panei	Recent Replace Evident, Extent : Ligh	2040	3	\$2,100			
	Location: Throughout	u, Area Affectea . 10076					
Day Coat Comment		TIEE **		¢2.200			
Pre-Cast Concrete	5% Recent Repair Evident, Extent : Light,	LIIL	5	\$3,300			
	Location: Throughout	Area Ajjeciea . 100%					
Roof	Locuion : Inroughou						
Metal Panel	5%	2039 **	10	\$7,500			
Single Ply Membrane	30%	2031 **	10	\$24,500			
28	Recent Replace Evident, Extent : Ligh			7-1,500			
	Location : Upper Roof Area	, 33					
Single Ply Membrane	65%	2034 **	10	\$53,000			
Single 1 ly interneture	Gravel/Stone Ballast, Extent : Light, A		10	422,000			
	Location: Lower Roof	33					
	Recent Replace Evident, Extent : Ligh	t, Area Affected : 100%					
	Location: Lower Roof Area						
	Other Observation, Extent : Light, Area Affected : 95%						
	Location: Main Roof Level						
	Explanation : Photovoltaic Solar Pa	ınels					
nterior							
Floors							
Cast in Place Concrete	70% 2-4 \$81,100		5	\$174,700			
	Cracking/Crumbling, Extent: Light, A	Area Affected : 10%					
	Location: Throughout	250/					
	Paint Peeling, Extent: Light, Area Afg	tected: 25%					
	Location: Throughout						
Ceramic Tile	5%	2035 **	5	\$5,700			
Vinyl Tile	25% 2-4 \$47,400		3	\$10,700			
	Cracking/Crumbling, Extent: Light, A	Area Affected : 10%					
	Location : Throughout						

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

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

Asset #: 4379

Architecture		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2035	* *	5	\$2,300	
Concrete Masonry Unit	85%			LIFE	* *	5	\$31,500	
Gypsum Board	10%	2-4	\$1,900	LIFE	* *	5	\$2,800	
Cailings	O	Crumbling, 1: Through	Extent : Light, Are out	ea Affecto	ed : 10%			
Ceilings AcousTileSusp.Lay-In	25%	0-2	\$4.500	2039	* *	5	\$14,300	
Acoust hesusp.Lay-iii	Broken/M Location	issing Elem i: Through	nents, Extent : Mod out	erate, Ar	55	J	ψ1 4 ,500	
	U	0.	, Extent : Moderate out Third Floor	e, Area Ą	ffected : 20%			
Exposed Concrete	65%			LIFE	* *	5-10	\$92,700	
Gypsum Board	10%			LIFE	* *	5-10	\$39,200	

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

Lighting

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

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

Asset #: 4379

Electrical	Current Rep	oair Futur	e Replacement	Ma		
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	70%	2034	* *	10	\$48,900	
	T-8 Lamps, Extent: Liga	ht, Area Affected : 100%				
	Location: Throughout	t				
HID	30%	2026	\$291,200	10	\$700	
Egress Lighting						
Emergency, Battery	50%	2026	\$50,200	10	\$9,200	
Exit, Battery	50%	2026	\$17,100	10	\$2,600	
Exterior Lighting						
Fluorescent	20%	2026	\$53,200	10	\$1,600	
	T-8 Lamps, Extent: Light	ht, Area Affected : 100%				
	Location: Entrance					
HID	80%	2031	* *	10	\$200	
Alarm						
Security System						
No Component	80%					
Generic	20%	2026	\$50,200	1	\$6,400	
Fire/Smoke Detection						
No Component	80%					
Generic, Digital	20%	2026	\$172,000			

Mechanical	Current Re	pair	Futur	e Replacement	t Maintenance			
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
leating								
Energy Source								
Natural Gas	100%		2052	* *	1			
Conversion Equipment								
Furnace	70%		2034	* *	1	\$26,400		
Hot Water Boiler	5%		2024	\$8,400	1	\$1,900		
	On Extended Life, Extent : Light, Area Affected : 100%							
	Location: 1st Floor							
	Recent Repair Evident,	Extent : Light, A	rea Affe	cted : 100%				
	Location: 1st Floor							
Hot Water Boiler	25%		2043	* *	1	\$9,400		
Distribution								
Hot Wtr Piping/Pump	100%		2048	* *	4	\$3,800		
Terminal Devices								
Air Handler	60% Now	\$48,200	2021	\$240,800	1	\$25,500		
	Abandoned in Place, Extent : Light, Area Affected : 100%							
	Location: 1st Floor							
	Broken, Extent : Mode	rate, Area Affecte	d: 10%					
	Location : Air Handl	er Broken On 1st	Floor					
Fan Coil Unit/Heat	40%		2026	\$445,800	1	\$9,900		
	On Extended Life, Exte	nt : Severe, Area	Affected	: 100%				
	Location : Throughou	ıt	-					

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

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

Asset #: 4379

Mechanical	Current R	epair F	Future Replacement		nt Maintenance			
System Component Type	% of Fail Date Total (Years)		ear FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
ir Conditioning								
Energy Source								
Electricity	100%	2	042	* *	1			
Conversion Equipment								
Ext Pkg Unit - Cooling	20%	20	026	\$68,700	2	\$900		
Split Unit	70%	2	031	* *				
Window/Wall Unit	10%	20	024	\$15,300	1			
Distribution								
Ductwork/Diffusers	100%	L	IFE	* *	2	\$123,900		
Dehumidifier								
Not Accessible	100%							
entilation								
Distribution								
Ductwork/Diffusers	100%	L	IFE	* *	2-5	\$67,300		
Exhaust Fans								
Roof	60%		026	\$35,500	2	\$1,400		
Wall Unit	40%	2	031	* *	2	\$900		
lumbing								
H/C Water Piping								
Galv Iron/Steel	100%	20	024	\$222,300	1			
Water Heater								
Oil Fired	100%	20	024	\$23,100	1	\$2,200		
	Other Observation, Ex		ected	: 100%				
	Location : Boiler Ro							
	Explanation: 117 G	allons						
HW Heat Exchanger								
HTHW/HW	100%	20	046	* *				
Sanitary Piping								
Cast Iron	100%	L	IFE	* *	1			
Storm Drain Piping								
Cast Iron	100%	L	IFE	* *	1			
Sewage Ejector(s)								
Electric	100%	2	026	\$10,800	4	\$2,500		
Fixtures								
Generic	100%							
ertical Transport								
Elevators								
Hydraulic	100%		IFE	* *				
	Other Observation, Ex		ected	: 100%				
	Location: 1st to 3rd							
	Explanation: Two U	Inits - One Passenger,	, One	Freight				
ire Suppression								
Standpipe	1000/	_	00 -	49.7. 75.		4.2 0.00-		
Generic	100%	2	026	\$265,600	1-5	\$39,800		
Sprinkler Generic	100%	_	026	\$869,000	1-2	\$21,300		

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Page: 19

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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$75,100	\$30,600	\$88,200	\$8,900
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	
Total	\$75,100	\$30,600	\$88,200	\$8,900



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

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

Asset #: 14635

Architecture		Current R	epair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal 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	
Interior								
Floors								
Carpet	35%			2025	\$1,351,800	3	\$162,700	
Cast in Place Concrete	5%			LIFE	* *	5	\$67,800	
Ceramic Tile	Location Poor Subj	Crumbling, 1 1: Througho	, Extent : Severe,			5	\$77,500	
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	
		issing Eleme 1 : Througho	ents, Extent : Light ut	, Area A	ffected : 10%			
Gypsum Board	60%			LIFE	* *	5-10	\$639,000	

Electrical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Under 600 Volts				
Service Equipment				
Fused Disc Sw	100%	2046 **	5 \$100	
	Other Observation, Extent : Moderate,	Area Affected : 100%		
	Location : Electrical Room			
	Explanation: One 4000 Amps Main L	fisconnect Switch		

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

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

Asset #: 14635

Electrical	Current Repa	Current Repair Future Replacement Maintenance		Current Repair Future Replacement Maintenanc		Current Repair Future Replacement Maintenance		
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Under 600 Volts	•	•						
Transformers								
Dry Type	100%	2039	* *	5	\$100			
	Other Observation, Extens		cted : 100%					
	Location : Electrical Ro							
	Explanation : One 150 K	Kva And 45 Kva 480hv-	208y/120lv					
Switchgear / Switchboard	1000/	2046	* *	~	ф1 0 0			
Fused Disc Sw	100%	2046	* *	5	\$100			
Raceway	1000/	2046	* *	1				
Conduit	100%	2046	4. 4.	1				
Panelboards	1.00/	2042	* *	5				
Fused Disc Sw	10%	2042	* *	5	\$500			
Molded Case Bkrs Wiring	90%	2034	-1. 4.	5	\$500			
Thermoplastic	100%	2046	* *	1				
Motor Controllers								
Locally Mounted	100%	2039	* *	5	\$100			
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches	1000/	2020	* *	1	Φ. 200			
Automatic	100%	2039		1	\$6,200			
Generators Diesel	100%	2035	* *	1	\$7,800			
Diesei	Other Observation, Extent			1	\$7,000			
	Location : Generator Ro		ciea . 100/0					
	Explanation: One 134 I							
Batteries	Expression: One 13 / 1	.,,						
Lead/Acid	100%	2020	\$1,500	5	\$700			
Fuel Storage			1 7		, , , , ,			
Main Tank	100%	2054	* *	5	\$600			
Lighting								
Interior Lighting								
Fluorescent	20%	2031	* *	10	\$3,700			
	Other Observation, Extens		cted : 100%					
	Location : Lobby, Facad	=						
	Explanation: T-5 Lamps	s						
Fluorescent	75%	2031	* *	10	\$13,900			
	Other Observation, Extens	t : Moderate, Area Affe	cted : 100%					
	Location: Throughout							
	Explanation: T-8 Lamps	s						
Incandescent	5%	2031	* *	2				
Egress Lighting								
Emergency, Service	70%	2031	* *	1				
Exit, LED	30%	2054	* *	1				

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

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

Asset #: 14635

	710001 11 1						
Electrical	Current Repair	Future	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Lighting							
Exterior Lighting							
Fluorescent	20%	2031	* *	10	\$400		
	Other Observation, Extent : Modera	te, Area Affect	ted : 100%				
	Location : Walkway Shade						
	Explanation: T-8 Lamps						
HID	80%	2031	* *	10			
Lightning Protection							
Arresters/Cabling							
Generic	100%	2054	* *	5	\$600		
Alarm							
Security System							
No Component	30%						
Generic	70%	2031	* *	1	\$5,300		
Fire/Smoke Detection							
Generic, Analog	100%	2031	* *				
Mechanical	Current Repair	Future	Replacement	M	aintenance		
System	0/ of Foil Date Estimated Co	van I	Estimated Cost	Corolo	Estimated Cost	D	

Mechanical	Current Re	pair Futu	Future Replacement		aintenance		
System Component Type	% of Fail Date E Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Heating							
Energy Source							
Natural Gas	100%	2052	* *	1			
Air Conditioning							
Energy Source							
Electricity	100%	2048	* *	1			
Conversion Equipment							
Ext Pkg Unit -	100%	2034	* *	2	\$1,200		
Heating/Cooling							
		at : Moderate, Area Affec	eted : 100%				
	Location: Roof, A C	Units					
		ent : Light, Area Affected	d: 100%				
	Location: Roof						
	Explanation: 5 Units	Provide Heating Throug	gh Built In Gas Furi	пасе			
Ventilation							
Distribution							
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$17,800		
Exhaust Fans							
Roof	15%	2034	* *	2	\$100		
No Component	85%						
	Other Observation, Ext	ent : Light, Area Affected	d: 0%				
	Location: Roof						
	Explanation : Ventila	tion Process Through A	C Units				
Plumbing							
H/C Water Piping							
Brass/Copper	100%	2052	* *	1			

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

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

Asset #: 14635

Mechanical	Current Repair	Future R	eplacement	M	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
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%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Light,	Area Affected: 1	00%			
	Location: 1st: 2nd Floor					
	Explanation: One Unit					
Fire Suppression						
Sprinkler						
Generic	100%	2052	* *	1-2	\$5,700	
Fire Pump						
Generic	100%	2039	* *	1	\$3,800	

Page: 24

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

Asset Name : WHITEHALL FERRY TERMINAL

Address : SOUTH & WHITEHALL STREETS @ PETER MINUIT PLAZA Borough Agency's Number : MANHATTAN : 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Exterior Architecture	\$322,000	\$1,329,000
Interior Architecture	\$695,900	\$556,600
Electrical		\$132,900
Mechanical	\$923,300	\$3,088,700
Total	\$1,941,200	\$5,107,200
Importance Code A	\$322,000	\$1,418,000
Importance Code B	\$1,522,100	\$3,638,500
Importance Code C	\$97,100	\$50,700
Total	\$1,941,200	\$5,107,200

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



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2418

rchitecture		Current	Repair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
kterior	•			•				•
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%		\$19,300	2031	* *			
			derate, Area Affec	ted : 5%				
			oof Viewing Area					
			xtent : Moderate, A	Area Affe	cted : 5%			
	Location	ı : Upper R	oof Viewing Area					
Plaza Roof: Stone Panels	s 20%			2046	* *			
terior								
Floors								
Carpet	5%			2022	\$193,100	3	\$31,000	
Cast in Place Concrete	25%			LIFE	* *	5	\$338,900	
	_	_	Extent: Light, Are	ea Affecte	ed : 10%			
	Location	ı : First Flo	or Utility Area					
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	
	Worn/Ero	ded, Extent	: Light, Area Affec	ted : 15%	%			
	Location	n : Elevator	Lobbies					
Interior Walls								
Concrete Masonry Unit	60%			LIFE	* *	5	\$101,300	
Glass: Special Gauge	10%			LIFE	* *	1		
	Other Obs	servation, E	Extent : Light, Area	Affected	: 100%			
	Location	n : Main Wo	uiting Room					
	Explana	tion : Doub	le Glazed Wall An	d Sliding	Boarding Doors			
Gypsum Board	20%			LIFE	* *	5-10	\$71,800	
Metal Panel	10%	4+	\$5,700	LIFE	* *			
	Deformed	/Dented, E	xtent : Light, Area	Affected :	- 5%			
	Location	ı : Circular	Sheet Metal Colu	nn Bases	Throughout Waiti	ng Area		
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	
• •			xtent : Moderate, A		cted : 10%		. , -	
			or Elevator Lobby					
	Locanor	i . 2ma 1 ioc	n Lievaioi Lobby					

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

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

Asset #: 2418

Electrical	Current Repair		Futur	e Replacement	M		
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts							
Service Equipment					_		
Fused Disc Sw	97%	F I . 1 . A	2046	**	5	\$900	
	Location : Electr	, Extent : Light, Area ical Room	Ајјестеа	: 100%			
	Explanation : On						
Photovoltaic Panel(s)	3%	e ooo imps	2035	* *	1		
1 notovoltale 1 anei(s)		Extent : Light, Area		: 5%	1		
		Facing - On Water S					
	Explanation : Bli	ue Color Panels					
Transformers							
Dry Type	100%		2039	**	5	\$800	
		Extent : Light, Area	Affected	: 100%			
	Location : Electr		a Each				
Switchgear / Switchboard	Explanation : On	e Dry Type At 75 Kv	a Eacn				
Fused Disc Sw	100%		2046	* *	5	\$900	
Raceway	10070		20.0			Ψ, σσ	
Conduit	100%		2046	* *	1		
Panelboards							
Fused Disc Sw	30%		2042	* *	5	\$1,400	
Molded Case Bkrs	70%		2042	* *	5	\$3,800	
Wiring	1000/		2015	de de			
Thermoplastic	100%		2046	* *	1		
Motor Controllers Locally Mounted	20%		2039	* *	5	\$300	
Motor Control Center	80%		2039	* *	5	\$4,500	
Ground	0070		2037			Ψ+,500	
Grounding Devices							
Generic	100%		LIFE	* *	5	\$6,100	
		Extent : Light, Area	Affected	: 100%			
	Location: Pump						
11. 7	Explanation: Ma	in Water Pipe					
tand-by Power Transfer Switches							
Automatic	100%		2039	* *	1	\$63,700	
Generators	100/0		2007		1	ψ03,700	
Diesel	100%		2035	* *	1	\$80,200	
		, Extent : Light, Area		: 100%		,	
	Location: Pentho						
	Explanation : On	e 700 Kva Gallon					
Batteries	1000		2020		-	A	
Lead/Acid	100%		2020	\$1,500	5	\$7,700	

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

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

Asset #: 2418

Current Repair	Future Rep	acement	M					
% of Fail Date Estimated Co Total (Years)	ost Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority			
			5	\$7,700				
_	rea Affected : 100%	%						
			5	\$4,900				
	rea Affected : 1009	%						
Location: Ground Floor								
Explanation : 2600 Gallon Tank								
700/	2021	* *	10	¢122.000				
		-11-	10	\$132,900				
	стеа : 100%							
			10	\$2,000				
_	rea Affected : 100%	%						
Explanation : Metal Halide								
500/	2021	* *	1					
50%	2031	* *	1					
1000/	2021	* *	10	\$600				
100%	2031		10	\$000				
1000/	2061	* *	5	\$6,100				
		V ₀	3	\$0,100				
	rea Ajjeciea . 100/	0						
Елрининон . Steet 1 уре								
70%								
	2031	* *	1	\$23,200				
	2001			<i>\$25,200</i>				
30%								
	20% Other Observation, Extent: Light, A Location: Explanation: 275 Gallon 80% Other Observation, Extent: Light, A Location: Ground Floor Explanation: 2600 Gallon Tank 70% T-8 Lamps, Extent: Light, Area Affe Location: Throughout 30% Other Observation, Extent: Light, A Location: Ist Floor Explanation: Metal Halide 50% 50% 100% 100% Other Observation, Extent: Light, A Location: Roof Explanation: Steel Type	20% 2042 Other Observation, Extent: Light, Area Affected: 100% Location: Exterior Explanation: 275 Gallon 80% 2054 Other Observation, Extent: Light, Area Affected: 100% Location: Ground Floor Explanation: 2600 Gallon Tank 70% 2031 T-8 Lamps, Extent: Light, Area Affected: 100% Location: Throughout 30% 2031 Other Observation, Extent: Light, Area Affected: 100% Location: 1st Floor Explanation: Metal Halide 50% 2031 100% 2031 100% 2031 100% 2031 100% 2031 70% 2031	Year Estimated Cost Year FY Estimated Cost Year FY	20% 2042 ** 5	Year Fail Date Estimated Cost Year FY Estimated Cost (Yrs) Estimated Cost Total (Years) FY Estimated Cost (Yrs) Estima			

Mechanical	Curren	t Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Dat Total (Years	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Natural Gas	100%		2046	* *	1		

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

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

Asset #: 2418

Mechanical		Current l	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Hot Water Boiler	90%			2031	* *	1	\$92,100	
			Extent : Light, Area					
			r Mechanical Equi	pment R	oom			
		tion : 1 Uni	<u>t</u> t					
Radiant Heater	10%			2026	\$89,000	2	\$9,600	
			Extent : Light, Area	Affected	: 100%			
			de Of Main Lobby	7 14				
51	Explana	tion : Gas I	Fired Radiant Heat	er In Ma	un Lobby Ceiling			
Distribution (P)	1000/			2024	* *	4	Φ1 <i>π</i> 200	
Hot Wtr Piping/Pump	100%			2034	* *	4	\$15,300	
Terminal Devices	000/			2026	¢001 000	1	¢115 200	
Air Handler Fan Coil Unit/Heat	90%			2026	\$981,000	1	\$115,200	
	10%			2026	\$302,700	1	\$6,700	
Air Conditioning								
Energy Source Natural Gas	100%			2046	* *	1		
Conversion Equipment	100%			2040		1		
Absorption	80%	Now	\$872,000	2036	* *	1	\$161,300	
Chiller/Direct Fire	8070	NOW	\$672,000	2030		1	\$101,500	
Chinei/Direct The	Abandoned in Place, Extent: Severe, Area Affected: 50%							
			r Mechanical Equi					
			Extent : Light, Area	_				
			r Mechanical Equi					
			Extent : Severe, Are	_				
			r Mechanical Equi					
			iller Broken. 1 Chi			ortable T	emporary Chiller	
	In Use							
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		

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

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

Asset #: 2418

Mechanical	chanical Current Repair		Replacement	Ma							
System Component Type	% of Fail Date Estimat Total (Years)	ed Cost Year I	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority					
Plumbing											
Water Heater	1000/	2024	4.5 000		Φ2.000						
Gas Fired	100%	2024	\$47,000	2	\$3,000						
	Other Observation, Extent : Light, Area Affected : 100% Location : 3rd Floor Mechanical Equipment Room										
	Explanation : Two 250 Gallo		om								
Conitory Dining	Explanation: Two 250 Gatte	<u>on</u>									
Sanitary Piping Cast Iron	100%	LIFE	* *	1							
Storm Drain Piping	100/0	LILL		1							
Cast Iron	100%	LIFE	* *	1							
Sewage Ejector(s)	100,0										
Electric	100%	2026	\$10,800	4	\$2,500						
Backflow Preventer											
Generic	100%	2026	\$19,600	1	\$12,700						
Fixtures											
Generic	100%										
Vertical Transport											
Elevators	100-1										
Hydraulic	100%	LIFE	* *								
	Other Observation, Extent : Li Location : (2) 1st To Roof (71							
	Explanation: 4 Units	1) 18t 10 3ra F toor	(1) 18t 10 2na F	ioor							
Escalators	Explanation: 4 Units										
Over 20' Rise	100%	LIFE	* *								
Over 20 Rise	Other Observation, Extent : Li		100%								
	Location : 1st to 2nd Floor	8,									
	Explanation: 5 Units										
Fire Suppression	-										
Standpipe											
Generic	100%	2036	* *	1-5	\$104,400						
Sprinkler											
Generic	100%	2036	* *	1-2	\$58,000						
Fire Pump	1000/	2020	ata - *		020 50 0						
Generic	100%	2029	* *	1	\$38,700						
	Corroded, Extent : Light, Area Location : 1st Floor	Affected: 5%									
	Location : 1st Floor										

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

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

Page: 30

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 / 2812Yr Built/Renovated: 1937 / 1997Area Sq Ft: 1,925Project 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	\$704,400	
Electrical	\$43,000	
Total	\$747,300	
Importance Code A	\$704,400	
Importance Code B	\$43,000	
Total	\$747,300	

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



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

chitecture		Current	Repair	Futu	e Replacement	М	Maintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior								
Exterior Walls						_		
Cast in Place Concrete	Location Cracking	lissing Elen n : East Fac	Extent : Severe, A			5	\$3,100	1
Masonry: Brick	90%		\$164,700	LIFE	* *	5	\$11,200	1
Masonly. Blick	Diagonal Location Horizonta Location Jnt Morta	Cracks, Ex n: South Fo ul Cracks, E n: North Fo	tent : Severe, Area acade. North Facad xtent : Severe, Are acade, South Facad d, Extent : Modera	Affected le a Affecte le, West	d : 50% Facade	3	ψ11,200	1
		Cracks, Exte n : South Fo	ent : Severe, Area A acade	ffected :	25%			
Wood Overhead Doors	Location Split/Crac	lissing Elen n : North Fo cked, Exten	\$19,200 nents, Extent : Mod acade, South Facad t : Moderate, Area acade, South Facad	le, West Affected	Facade : 50%	5	\$1,600	
Windows								
Steel	Location	lissing Elen n : Through	\$231,700 nents, Extent : Seve out Extent : Severe, Are		-	5	\$28,400	1
		_	cade, North Facade			de		
	Thermally		, Extent : Moderate					
Parapets Masonry: Brick	_		\$308,000 tent : Severe, Area out	LIFE Affected	* * : 25%	5	\$5,500	1
	Jnt Morta Location Misaligne	ur Miss/Eroo n : Through	d, Extent : Modera out Extent : Severe, Ar					
Dra Coat Comprets				LIDE	* *	-	¢1 000	
Pre-Cast Concrete	Location Open Join	ur Miss/Ero n : Coping	\$3,000 d, Extent : Modera Moderate, Area A		Affected : 100%	5	\$1,800	
Roof		1 0						
Not Accessible	100%							

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.

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

^{**} 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 F	lepair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nterior							
Floors							
Cast in Place Concrete	100% Now	\$14,700	LIFE	* *	5	\$10,600	
	Cracking/Crumbling,	Extent: Moderate	Area Aj	ffected : 50%			
	Location : Boiler Ro	oom					
Interior Walls							
Masonry: Brick	100%		LIFE	* *			
Ceilings							
Exposed Concrete	100%		LIFE	* *	5-10	\$6,000	
•	Cracking/Crumbling,	Extent : Severe, A	rea Affec	eted : 25%			
	Location : Boiler Ro	oom					
	Water Penetration, E.	xtent : Severe, Ared	ı Affecte	d : 25%			
	Location : Boiler Ro	oom					

Electrical		Current I	Repair	Futur	e Replacement	Maintenance		
System 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		
	On Extend	led Life, Ex	tent : Moderate, Ai	ea Affec	ted : 100%			
	Location	ı : Electrica	al Room					
Switchgear / Switchboard								
Air Circuit Breaker	10%			2033	* *	5		
Molded Case Bkrs	90%	0-2	\$43,000	2053	* *	5		
	On Extend	led Life, Ex	tent : Light, Area A	ffected :	100%			
	Location	: Electrica	al Room					
Raceway								
Conduit	95%	2-4	\$5,000	2053	* *	1		
	On Extend	led Life, Ex	tent : Moderate, Ai	ea Affec	ted : 100%			
	Location	: Electrica	al Room					
Conduit	5%			2033	* *	1		
Panelboards								
Fused Toggle Switch	90%	0-2	\$6,600	2048	* *	5		
	On Extend	led Life, Ex	tent : Moderate, Ai	rea Affec	ted : 100%			
	Location	ı : Electrica	al Room					
Molded Case Bkrs	10%			2022	\$700	5		
Wiring					•			
Braided Cloth	85%	2-4	\$5,500	2048	* *	1		
	Insulation	Aged, Exte	ent : Moderate, Are		ed : 100%			
		ı : Electrica						
Thermoplastic	10%			2023	\$600	1		
Thermoplastic	5%			2033	* *	1		
Ground	270					-		
Grounding Devices								
Not Accessible	100%							
Lighting								

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

Electrical	Cı	Current Repair		Future Replacement		Maintenance	
System Component Type		il Date Estimated Cost Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		

Mechanical	(Current Rep	pair	Futur	e Replacement	М	aintenance	
System Component Type		ail Date E Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2033	* *	1		
	Other Obser	vation, Exte	ent : Severe, Ared	a Affecte	d: 100%			
	Location:	Boiler Rooi	m					
	Explanatio	n : Building	g Is Abandoned I	Except F	or Active Electrica	l Room		
Conversion Equipment								
Furnace	100%			2023	\$2,300	1	\$1,000	
	Other Obser	vation, Exte	ent : Light, Area	Affected	: 100%			
	Location:	1st Floor						
	Explanatio	n : 1 Driect	Fire Unit					
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%							

^{**} 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

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	\$97,200	
Total	\$97,200	
Importance Code A	\$97,200	
Total	\$97,200	

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



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

Architecture		Current R	epair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	95%	Now	\$60,200	LIFE	* *	5	\$6,800	
	_		ent : Moderate, Ar	ea Affec	ted : 25%			
		: Through						
			, Extent : Moderat	e, Area A	Affected : 50%			
		: Througho		250/				
	-	xtent : Seve : Throughe	ere, Area Affected	: 25%				
				TIPE	ታ ታ		¢1.200	1
Pre-Cast Concrete	5%	Now	\$3,500	LIFE	* *	5	\$1,200	1
		ssing Eiem : Building	ents, Extent : Seve Base	re, Area	Affectea . 25%			
		_	, Extent : Moderat	o Area	Affected · 50%			
		: At Windo		e, 111eu 1	ijjecieu . 5070			
Windows								
Glass Block	100%			LIFE	* *	5	\$500	
Parapets								
Masonry: Brick	95%	Now	\$37,000	LIFE	* *	5	\$2,200	
	_		ent : Moderate, Ar	ea Affec	ted : 25%			
	Location: Corners							
	Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50% Location : Throughout							
		_		- A CC 4 -	1.250/			
		acкs, Ехtев : Througho	nt : Moderate, Are	а Ађесте	a: 25%			
		_	nu ctent : Moderate, A	roa Affa	cted : 25%			
		: Through		rea rijje	ciea . 2570			
Pre-Cast Concrete	5%	Now	\$800	LIFE	* *	5	\$700	
Tie-Cast Concrete	- , -		, Extent : Moderat			3	Ψ/00	
	Location		, 2	0, 11, 00, 1	2,000.000			
Roof								
Modified Bitumen	100%			2028	* *	10	\$5,500	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	* *	5	\$4,200	
Vinyl Tile	35%			2031	* *	3	\$400	
Interior Walls Concrete Masonry Unit	25%			LIDD	* *	5		
Masonry: Brick	25% 75%			LIFE LIFE	* *	3		
wiasomy. Blick		etration F	ctent : Moderate, A					
		: Througho			. 10/0			
Ceilings								
Cennigs								

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

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.

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

^{**} 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

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	* *	5	\$100	
Raceway								
Conduit	100%			2023	\$3,700	1		
Panelboards								
Fused Toggle Switch	40%	2-4	\$2,900	2048	* *	5		
			tent : Moderate, Ar e Attendant Room	rea Affec	ted : 100%			
Molded Case Bkrs	60%			2039	* *	5		
Wiring								
Braided Cloth	70%	2-4	\$5,600	2048	* *	1		
		Aged, Exte n : Through	ent : Moderate, Are out	a Affecte	ed : 100%			
Thermoplastic	30%			2043	* *	1		
Motor Controllers								
Locally Mounted	100%			2028	* *	5		
Lighting Interior Lighting								
Fluorescent	50%			2023	\$4,800	10	\$900	
		servation, E 1 : Through	Extent : Moderate, A out	Area Affe	ected : 100%			
	Explana	tion : Using	g T-12 Lamps					
HID	5%			2023	\$700	10		
Incandescent	45%			2023	\$4,300	2		
Exterior Lighting								
HID	100%			2018	\$6,900	10		

Mechanical	Current Repair	Future F	Replacement	Maintenance		
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2033	* *	1		
Conversion Equipment						
Furnace	100%	2023	\$2,200	1	\$900	
	Other Observation, Extent : Lig	ht, Area Affected : 1	100%			
	Location: Various Locations					
	Explanation: 2 Direct Fired U	Init Heaters				
Air Conditioning						
Energy Source						
Electricity	100%	2031	* *	1		
Conversion Equipment						
Window/Wall Unit	100%	2018	\$3,800	1		
Ventilation						
Exhaust Fans						
Wall Unit	100%	2023	\$2,800	2	\$100	

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

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

DEPARTMENT OF TRANSPORTATION - 841 ARTERIAL & FLEET SERVICES GAS HOUSE

Mechanical	Currer	nt Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		

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		
Total	\$300	\$900		
Importance Code A	\$200	\$700		
Importance Code B	\$100	\$200		
Total	\$300	\$900		



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

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

Asset #: 174

Architecture		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	* *			

Electrical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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, A	rea Affe	cted : 100%			
	Location: Through	hout					
	Explanation: Usir	ng T-12 Lamps					

Mechanical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Electricity	100%		2043	* *	1		
Conversion Equipment							
Radiant Heater	100%		2023	\$400	2		
	Other Observation, E	Extent : Light, Area	Affected	: 100%			
	Location : Office						
	Explanation: 1 Un	it					
Air Conditioning							
Energy Source							
Electricity	100%		2039	* *	1		
Conversion Equipment							
Window/Wall Unit	100%		2018	\$200	1		

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

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

Page: 40

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

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

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



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

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

rchitecture	Current Repair	Future	e Replacement	M	aintenance				
rstem Component Type	% of Fail Date Estimated (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
terior									
Exterior Walls	950/ N. 0516	200 LIEE	* *	-	¢50 400	1			
Masonry: Brick	85% Now \$516, Diagonal Cracks, Extent : Modera Location : South Facade, North	ite, Area Affect		5	\$58,400	1			
	Horizontal Cracks, Extent : Mode. Location : North Facade, South		cted : 15%						
	Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50% Location : Throughout								
	Misaligned/Bulging, Extent : Mod Location : South Facade	erate, Area Affe	ected : 10%						
	Rusting Masonry Supt, Extent : Se Location : Above Overhead Doo		cted : 50%						
Metal Coiling Doors	10%	2028	* *	5	\$21,500				
Pre-Cast Concrete	5% Now \$22, <i>Jnt Mortar Miss/Erod, Extent : Mo</i>		* * ffected : 50%	5	\$11,200				
	Location: Window Sills								
	Misaligned/Bulging, Extent : Mod Location : Building Base	erate, Area Affe	ected : 20%						
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				
Wasoniy. Drick				3	\$27,400				
	Diagonal Cracks, Extent : Severe, Area Affected : 10% Location : East Facade								
	Location : East Facade Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
	Location: North Facade, South Facade								
	Spalling, Extent: Moderate, Area Affected: 25%								
	Location : Interior Face								
Pre-Cast Concrete	5% Now \$10, Jnt Mortar Miss/Erod, Extent: Mo Location: Coping		* * ffected : 50%	5	\$9,100				
	Open Joints, Extent : Moderate, A	rea Affected · 5	50%						
	Location: Coping	ica nyjeciea . S	.070						

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

Architecture		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof			***					
Asphalt Shingle	Location Water Pen	: At Ridge	xtent : Moderate, A		-			
Modified Bitumen	Location Water Pen	: Over Ga	\$91,200 ings, Extent : Mode rage Area At High extent : Moderate, A Area	way Coli	umns			
Skylight, Plastic	Location Water Pen	: Over Ga	xtent : Light, Area			1		
Interior	2000000							
Floors								
Asphalt Macadam	Location Uneven Su	ssing Elem : Through	tent : Moderate, A			5	\$21,200	
Ceramic Tile	2%			2032	* *	5	\$1,900	
Vinyl Tile	Location Cracking/	: Office A	Extent : Moderate			3	\$2,800	
Interior Walls								
Cast in Place Concrete	· ·	Now Crumbling, : Columns	\$14,400 Extent : Moderate	LIFE , Area A	* * ffected : 25%			
Concrete Masonry Unit	Location Horizonta	: Wall Div l Cracks, E	\$30,300 tent : Moderate, Ar viding Garage Area (xtent : Severe, Area viding Garage Area	is a Affecte		5	\$2,800	
Masonry: Brick	65%			LIFE	* *			

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

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

Asset #: 2412

Architecture	С	urrent R	epair	Futur	e Replacement	M	aintenance	
System Component Type		iil Date Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5% I	Now	\$7,400	2028	* *	5	\$2,400	
	Broken/Missi Location : T	0	ents, Extent : Mod	erate, Ar	ea Affected : 20%			
Exposed Struc: Steel	20%			LIFE	* *			
Exposed Struc: Wood	60%			LIFE	* *			
-	Water Penetr Location : C		tent : Light, Area rea	Affected	: 20%			
Plaster	15% N	Now	\$54,300	LIFE	* *	5	\$8,800	
	Broken/Missing Elements, Extent : Severe, Area Affected : 25% Location : East And North Areas Of Garage							
	Cracking/Crumbling, Extent: Moderate, Area Affected: 25%							
	Location : I	East And	North Areas Of G	arage				
	Water Penetr	ation, Ex	tent : Severe, Area	a Affecte	d: 20%			
	Location : C	Garage						

Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$47,700	5	\$1,700	
Raceway								
Conduit	50%			2033	* *	1		
Conduit	50%			2023	\$4,600	1		
Panelboards								
Fused Toggle Switch	5%	2-4	\$1,500	2048	* *	5		
			tent : Moderate, Ai Work Shop	·ea Affec	ted : 100%			
Molded Case Bkrs	55%			2031	* *	5	\$900	
Molded Case Bkrs	40%			2022	\$11,700	5	\$700	
Wiring								
Braided Cloth	40%	2-4	\$8,000	2048	* *	1		
	Insulation	Aged, Exte	ent : Moderate, Are	a Affecte	ed : 100%			
	Location	: Through	out					
Thermoplastic	60%			2033	* *	1		
Motor Controllers								
Locally Mounted	50%			2028	* *	5	\$200	
Locally Mounted	50%			2021	\$24,600	5	\$200	

Lighting

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

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

Asset #: 2412

Electrical	Current Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	10%	2018	\$32,900	10	\$5,900	
	Other Observation, Extent: Moderate, Area Affected: 100%					
	Location : Throughout					
	Explanation: Using T-12 Lamps					
HID	50%	2023	\$251,600	10	\$1,000	
HID	40%	2018	\$201,300	10	\$800	
Egress Lighting						
Exit, Service	100%	2018	\$16,600	1		
Exterior Lighting						•
HID	100%	2018	\$238,100	10	\$200	

Mechanical	Current Re	pair Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date E Total (Years)	Sstimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2033	* *	1		
Conversion Equipment						
Furnace	100%	2023	\$77,000	1	\$31,900	
	Other Observation, Ext	ent : Light, Area Affected	: 100%			
	Location: Various Lo	cations				
	Explanation: 50 Dire	ect Fired Unit Heaters				
Air Conditioning						
Energy Source						
Electricity	100%	2031	* *	1		
Conversion Equipment						
Window/Wall Unit	10%	2018	\$13,000	1		
No Component	90%					
Ventilation						
Exhaust Fans						
Wall Unit	100%	2023	\$95,400	2	\$2,000	
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2023	\$188,300	1		
Water Heater						
Electric	100%	2017	\$9,800	4	\$600	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Fixtures						
Generic	100%					
Fire Suppression						
Standpipe						
Generic	100%	2023	\$225,000	1-5	\$33,800	

Maintenance \$ are aggregated over a ten-year 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

Date of Survey : 14-Sep-2011 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1,2

Block : 1790 Lot : 1 BIN : 4444576

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$34,800	\$69,300	\$15,900	\$800
Importance Code A	\$16,500	\$39,100	\$2,000	\$600
Importance Code B	\$18,300	\$30,200	\$13,900	\$300
Importance Code C				
Total	\$34.800	\$69.300	\$15,900	\$800



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls	75% Now	\$190,700	LIFE	* *	5	\$16,200	1
Masonry: Brick	Horizontal Cracks, E				3	\$10,200	1
	Location: West Fa		и Ајјестец	1.25/0			
	Jnt Mortar Miss/Ero	*	Area Affe	cted : 100%			
	Location : West Fa		1.00.11990				
	Misaligned/Bulging,	Extent : Severe, Ar	ea Affecte	ed : 20%			
	Location : North F		33				
	Punct/Tear/Impact L Location : West Fa		vere, Are	a Affected : 10%			
	Rusting Masonry Sup	ot, Extent : Modera	te, Area A	ffected : 50%			
	Location: Through	out					
Masonry: Granite	5% Now	\$12,500	LIFE	* *	5	\$800	
	Broken/Missing Elen			ea Affected : 10%			
	Location : Bases O	f Piers Along South	r Facade				
Metal Sect. OHD	5%		2028	* *	5	\$3,400	
Pre-Cast Concrete	5% Now	\$3,500	LIFE	* *	5	\$3,500	
	Jnt Mortar Miss/Ero			ffected : 50%			
	Location : North F	acade, Widow Sills					
Stucco Cement	10%		2028	* *	5	\$5,400	
Windows							
Aluminum	50%		2039	* *	5	\$2,800	
Glass Block	50%		LIFE	* *	5	\$1,800	
Parapets Management Bright	050/ Na	¢41 400	LIDE	* *	_	¢2 400	
Masonry: Brick	95% Now <i>Jnt Mortar Miss/Ero</i>	\$41,400 d. Extent : Moderat	LIFE		5	\$2,400	
	Location : Through		e, Area A	ffeciea . 50%			
Metal Panel	5%		2043	* *	5	\$500	
Roof	J 70		2043			\$300	
Modified Bitumen	95%		2028	* *	10	\$33,900	
Skylight, Metal/Glass	5% Now	\$77,200	2033	* *	10	Ψ33,700	
2	Corrosion/Rusting, E			cted : 15%			
	Location : Over Me	ens Locker Room					
	Water Penetration, E	Extent : Moderate, A	Area Affec	cted : 20%			
	Location: Over Me	ens Locker Room					
nterior							
Floors							
Carpet	5%		2019	\$13,400	3	\$1,600	
Cast in Place Concrete	45%		LIFE	* *	5	\$21,200	
Ceramic Tile	5%		2032	* *	5	\$1,100	
Vinyl Tile	25%	Zut ant . M - 1	2018	\$44,600	3	\$2,000	
	Other Observation, I Location : Through		ч геа А <u></u> ЈЈес	nea : 100%			
	Explanation: 9x9						
Vinyl Tile	10%	iics	2023	\$17 900	3	¢1 100	
Vinyl Tile Wood	10% 10%		2023	\$17,800 * *	5 5	\$1,100 \$4,000	
w oou	1070		2038		3	\$4,000	

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

^{**} 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

	Current F	Repair	Futur	e Replacement	ment Maintenance		
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
60%	Now	\$72,900	LIFE	* *			
Diagonal (Cracks, Ext	tent : Severe, Area	Affected	: 25%			
	U	•					
Vertical C	racks, Exte	nt : Severe, Area A	ffected :	25%			
Location	: Storage S	Space					
20%			LIFE	* *	5	\$600	
10%			LIFE	* *			
10%			LIFE	* *			
30%			2028	* *	5	\$6,400	
20%			LIFE	* *	5	\$700	
25%	Now	\$98,800	LIFE	* *			
Split/Craci	ked, Extent	: Moderate, Area	Affected	: 25%			
Location	: Storage A	Area					
Staining/D	iscoloring,	Extent: Moderate	, Area Ą	ffected : 25%			
Location	: Over Sto	rage Area					
10%			LIFE	* *	5	\$2,700	
15%	Now	\$8,300	LIFE	* *	5	\$2,000	
Cracking/0	Crumbling,	Extent : Moderate	, Area A	ffected : 10%		•	
Location	: Mens Lo	cker Room	_				
Water Pen	etration, E	xtent : Moderate, A	Area Affe	cted : 10%			
Location	: Mens Lo	cker Room					
	60% Diagonal of Location Vertical C. Location 20% 10% 20% 25% Split/Crace Location Staining/D Location 10% Cracking/O Location Water Pen	60% Now Diagonal Cracks, Exte Location: Storage S 20% 10% 10% 30% 20% 25% Now Split/Cracked, Extent Location: Storage S staining/Discoloring, Location: Over Sto 10% 15% Now Cracking/Crumbling, Location: Mens Lo Water Penetration, E.	Total (Years) 60% Now \$72,900 Diagonal Cracks, Extent: Severe, Area Location: Storage Space Vertical Cracks, Extent: Severe, Area A Location: Storage Space 20% 10% 10% 30% 20% 25% Now \$98,800 Split/Cracked, Extent: Moderate, Area Location: Storage Area Staining/Discoloring, Extent: Moderate Location: Over Storage Area 10% 15% Now \$8,300 Cracking/Crumbling, Extent: Moderate Location: Mens Locker Room	% of Total (Years) 60% Now \$72,900 LIFE Diagonal Cracks, Extent: Severe, Area Affected Location: Storage Space Vertical Cracks, Extent: Severe, Area Affected: Location: Storage Space 20% LIFE 10% LIFE 10% LIFE 25% Now \$98,800 LIFE Split/Cracked, Extent: Moderate, Area Affected Location: Storage Area Staining/Discoloring, Extent: Moderate, Area A Location: Over Storage Area 10% LIFE Staining/Discoloring, Extent: Moderate, Area A Location: Over Storage Area 10% LIFE 15% Now \$8,300 LIFE Cracking/Crumbling, Extent: Moderate, Area A Location: Mens Locker Room Water Penetration, Extent: Moderate, Area Affe	Wof Fail Date Estimated Cost Year Estimated Cost Total (Years) Year FY Estimated Cost FY	Soft Fail Date Estimated Cost Year Estimated Cost Cycle (Yrs)	% of Total Fail Date Estimated Cost Year Estimated Cost Cycle (Yrs)

Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$95,500	5	\$300	
Raceway								
Conduit	50%			2023	\$13,600	1		
Conduit	50%			2033	* *	1		
Panelboards								
Molded Case Bkrs	80%			2031	* *	5	\$200	
Molded Case Bkrs	20%			2022	\$5,800	5	\$100	
Wiring								
Braided Cloth	20%	2-4	\$9,100	2048	* *	1		
	Insulation	Aged, Exte	nt : Moderate, Are	a Affecte	ed : 100%			
	Location	: Through	out					
Thermoplastic	80%			2033	* *	1		
Motor Controllers								
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.

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

Electrical	Current Repair	Future	e Replacement	Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	90%	2023	\$127,100	10	\$9,400	
	Other Observation, Extent: Moderate	Area Affe	cted : 100%			
	Location: Throughout					
	Explanation: Using T-12 Lamps					
HID	5%	2018	\$3,200	10		
Incandescent	5%	2018	\$7,100	2		
Exterior Lighting						
HID	100%	2018	\$42,200	10		

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

Maintenance \$ are aggregated over a ten-year 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 STORAGE 1

Address : 32-11 HARPER STREET

Borough : QUEENS Agency's Number : N/A

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	
Total	\$56,800	
Importance Code A	\$56,800	
Total	\$56,800	

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
Total	\$42,900	\$25,200	\$100	\$100
Importance Code A	\$33,000	\$9,900	\$100	\$100
Importance Code B	\$9,800	\$15,300		
Total	\$42,900	\$25,200	\$100	\$100



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

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

Asset #: 2407

Architecture		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
exterior								
Exterior Walls	Q 5 0/	Now	¢56 900	LIDE	* *	5	\$0.600	
Masonry: Brick	Location	: Corners	\$56,800 nents, Extent : Mod tent : Severe, Area		ea Affected : 20%	5	\$9,600	
		: Through Cracks, E	out xtent : Moderate, A	Area Affe	cted : 20%			
	Location	: East Fac	ade, West Facade					
		Miss/Erod : Through	l, Extent : Moderat out	e, Area A	ffected : 100%			
Metal Coiling Doors	10%			2028	* *	5	\$3,500	
Pre-Cast Concrete	5%	Now	\$3,700	LIFE	* *	5	\$1,800	
			l, Extent : Moderat ow Sills, Building E		ffected : 50%			
Windows	1000/			T TEE	ale ale	_	Φ2 (00	
Glass Block	100%			LIFE	* *	5	\$2,600	
Parapets Masonry: Brick	95%	Now	\$17,300	LIFE	**	5	\$1,500	
		racks, Ex : At Corne	tent : Moderate, Ar	ea Affect	ed : 15%			
			ars 1, Extent : Moderat	e Area A	ffected : 50%			
		: Through		e, 111eu 1	gjecieu . 5070			
Metal Panel	5%			2043	* *	5	\$300	
Roof								
Modified Bitumen	95%			2028	* *	10	\$7,900	
Skylight, Metal/Glass	5%	Now	\$11,900	2033	* *			
		Rusting, E : Main Roo	xtent : Moderate, A of	Area Affe	cted : 10%			
	_	oken/Crac : Main Roc	ked, Extent : Mode of	rate, Are	a Affected : 10%			
nterior Floors								
Cast in Place Concrete	80%			LIFE	* *	5	\$7,700	
Vinyl Tile	20%			2018	\$7,300	3	\$300	
	Location	: Through		Area Affe	cted : 100%			
Interior Wells	Explanat	ion : 9x9 T	ues					
Interior Walls Masonry: Brick	100%			LIFE	* *			
Ceilings	100/0			LITE	<u> </u>			
Exposed Struc: Wood	100%			LIFE	* *			

Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

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

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

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

Asset #: 2407

Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	* *	5		
Raceway								
Conduit	100%			2023	\$3,700	1		
Panelboards								
Fused Disc Sw	20%			2031	* *	5		
Fused Toggle Switch	80%		\$5,800	2048	* *	5		
			tent : Moderate, Ai	rea Affec	ted : 100%			
	Location	ı : Receivin	g Office Room					
Wiring								
Braided Cloth	50%		\$4,000	2048	* *	1		
		_	ent : Moderate, Are	a Affecte	ed : 100%			
	Location	ı : Through	out					
Thermoplastic	50%			2033	* *	1		
Motor Controllers								
Locally Mounted	100%			2021	\$7,000	5		
Lighting								
Interior Lighting								
Fluorescent	95%			2023	\$8,500	10	\$1,500	
			Extent : Moderate, A	Area Affe	ected : 100%			
	Location	ı : Through	out					
	Explana	tion : Using	g T-12 Lamps					
HID	5%			2018	\$700	10		
Exterior Lighting								
HID	100%			2018	\$6,500	10		

Mechanical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2033	* *	1		
Conversion Equipment						
Furnace	100%	2023	\$2,100	1	\$900	
	Other Observation, Extent : Light, Area Affected : 100%					
	Location : Various Location	ons				
	Explanation: 2 Direct Fir	ed Unit Heaters				
Air Conditioning						
Energy Source						
Electricity	100%	2031	* *	1		
Conversion Equipment						
Window/Wall Unit	20%	2018	\$700	1		
No Component	80%					
Ventilation						
Exhaust Fans						
Wall Unit	100%	2023	\$2,600	2	\$100	

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

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

Page: 53

DEPARTMENT OF TRANSPORTATION - 841 ARTERIAL & FLEET SERVICES STORAGE 1

Mechanical	Curren	Repair	Futur	re Replacement	М	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing							
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		

Page: 54

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026		
Exterior Architecture	\$69,300	\$56,100		
Interior Architecture	\$343,100	\$119,200		
Electrical	\$964,800	\$47,700		
Total	\$1,377,200	\$223,100		
Importance Code A	\$69,300	\$56,100		
Importance Code B	\$1,307,900	\$167,000		
Total	\$1.377.200	\$223,100		

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$73,200	\$19,900	\$11,000	\$50,400
Importance Code A	\$27,100	\$2,600		\$15,200
Importance Code B	\$46,100	\$17,300	\$10,900	\$35,200
Importance Code C			\$100	
Total	\$73,200	\$19,900	\$11,000	\$50,400



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

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

Asset #: 14316

rchitecture		Current I	Repair	Futur	e Replacement	М	aintenance	
estem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior	ı							ı
Exterior Walls								
Cast in Place Concrete	35%			LIFE	* *	5	\$56,100	
Concrete Masonry Unit	10%	Now	\$25,800	LIFE	* *	5	\$2,000	
•	Cracking/C	rumbling,	Extent : Moderate	, Area Aj	fected : 20%			
	Location	: East Fac	cade					
	Spalling, E	xtent : Mo	derate, Area Affect	ed : 10%	ó			
	Location	: East Fac	cade					
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	
	Other Obse	rvation, E	Extent : Moderate, A	Area Affe	cted : 50%			
	Location	: West An	d South Sides					
	Explanati	on : Secti	ons Of The First Fl	oor Are	Occupied By A Ba	nk And S	tores	
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	
		_	Extent : Moderate, A	Area Affe	cted : 50%			
		: East Fac						
			Extent : Moderate,	Area Afj	fected : 50%			
	Location	: East Fac	cade					
Roof			A ·					
Traffic Topping	95%	Now	\$69,300	2030	* *			
		_	Extent : Moderate	, Area Aj	fected : 20%			
		: Over Le			1 1007			
			Extent : Moderate, A	Area Affe	cted : 10%			
	Location	: Level 4						
Not Accessible	5%							

Interior

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

Asset #: 14316

rchitecture	Ire Current Repair		Future Replacement		Maintenance			
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior								
Floors								
Cast in Place Concrete	25%	Now	\$61,500	LIFE	* *	5	\$66,200	
	U	0.	Extent : Moderate sement Entrance	, Area Aj	ffected : 20%			
Ceramic Tile	2%			2034	* *	5	\$2,400	
Traffic Topping	70%	Now	\$205,400	2030	* *	5	\$53,000	
	Location Worn/Eroc	: Levels O ded, Extent	Extent: Moderate Ine And Two : Moderate, Area A Ine And Two		-			
Vinyl Tile	3% Cracking/0	0-2 Crumbling,	\$30,200 Extent : Moderate	2035 , Area Aj	* * ffected : 25%	3	\$1,400	
	Location Worn/Eroc Location	ded, Extent	: Moderate, Area A	Affected	: 50%			
Interior Walls								
Cast in Place Concrete	70%			LIFE	* *			
Ceramic Tile	2%			2034	* *	5	\$200	
Concrete Masonry Unit	20%			LIFE	* *	5	\$900	
Masonry: Brick	8%			LIFE	* *			
Ceilings								
Exposed Concrete		Now etration, E : Level 4	\$76,100 Extent : Moderate, A	LIFE rea Affe	* * cted : 10%	5	\$18,900	

Floatrical	- 4B :				. ,	
Electrical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2025	\$2,500	5	\$400	
	Other Observation, Extent : M	loderate, Area Affe	cted : 100%			
	Location: Electrical Room					
	Explanation: Main Service	Switch Rated @ 80	0 Amperes			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2025	\$47,700	5	\$2,300	
Raceway						
Conduit	100%	2025	\$9,100	1		
Panelboards						
Fused Disc Sw	20%	2024	\$5,800	5	\$400	
Molded Case Bkrs	80%	2024	\$23,400	5	\$1,900	
Wiring						
Thermoplastic	100%	2025	\$19,900	1		
Ground						
Grounding Devices						
Not Accessible	100%					

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

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

Asset #: 14316

Electrical		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	45%	0-2	\$185,700	2035	* *			
	-	-	, Extent : Moderate	e, Area A	ffected : 100%			
	Location	ı : Through	out The Buulding					
Fluorescent	50%			2020	\$206,300	10	\$37,100	
		Other Observation, Extent : Moderate, Area Affected : 100%						
	Location	ı : Through	out The Building					
	Explana	tion : T-12	Lamps					
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	
			Extent : Moderate, A	Area Affe	cted : 100%			
			The Building					
	Explana	tion : Com	pact Fluorescent Li	ght Fixtı	ıres			
HID	50%			2020	\$164,000	10	\$100	
Alarm								
Security System								
No Component	80%							
Generic	20%			2020	\$52,600	1	\$6,600	
	Other Observation, Extent: Moderate, Area Affected: 20%							
		i: 1st And						
	Explana	tion : CCT	V Surveillance Can	iera Syst	em Is Functional			
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%			2020	\$179,900			
	Other Observation, Extent: Moderate, Area Affected: 100%							
			out The Building					
	Explana	tion : Fire .	Alarm System Is Ol	d And Is	Still Functional			

Mechanical		Current Re	epair	Futur	e Replacement	M	aintenance	
System Component Type		Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	100%			2035	* *	1		
Conversion Equipment								
Radiant Heater	5%	0-2	\$200	2035	* *	2		
	Damaged, H	Extent : Sev	ere, Area Affected	1:3%				
	Location :	Rest Room	n					
No Component	95%							
Air Conditioning								
Energy Source								
Electricity	100%			2033	* *	1		

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Mechanical	Cur	rent Repair	Futur	re Replacement	M	aintenance	
System Component Type		Date Estimated Cost ars)	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	* *			
		ion, Extent : Light, Area	Affected	! : 100%			
	Location : Lev	vel 1 - Roof					
	Explanation:	2 Units					
Fire Suppression							
Standpipe							
Generic	100%		2035	* *	1-5	\$400	

Page: 59

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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$21,600	\$46,800	\$27,500	\$16,300
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	
Total	\$21,600	\$46,800	\$27,500	\$16,300



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

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

DEPARTMENT OF TRANSPORTATION - 841 BRIDGES IRON SHOP

Asset #: 14714

rchitecture		Current F	Repair	Future Replacement Maintenan		aintenance	ce	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior								
Exterior Walls						_		
Concrete Masonry Unit	95%		\$150,000	LIFE	**	5	\$46,600	
		Crumbling, n : Through	Extent : Light, Are out	ea Affecte	ed : 5%			
Metal Sect. OHD	5%			2038	* *	5	\$12,300	
Windows								
Steel	100%		\$161,400	2041	* *	5	\$65,900	
		ı/Rusting, E n : Through	Extent : Moderate, A out	Area Affe	cted : 30%			
Parapets								
Cast Stone/Terra Cotta	10%		\$5,200	LIFE	* *	5	\$3,200	2
	_	_	Extent : Severe, A	rea Affec	ted : 20%			
		n : Through						
Concrete Masonry Unit	90%		\$9,500	LIFE	**	5	\$4,200	
	_	Crumbling, n : Through	Extent : Light, Are	ea Affecte	ed: 20%			
Roof	Locuitor	i. Inrougn	Oui					
Plaza Roof: Stone Panel	s 100%	Now	\$273,900	2035	* *			
Tiuzu Itoor. Stone Tuner			ings, Extent : Seve		Affected : 30%			
		n : Through			30			
			0					
	Water Per	ıetration, E	Extent : Severe, Ared	a Affecte	d : 30%			
		netration, E n : Through	xtent : Severe, Ared	a Affecte	d : 30%			
terior			xtent : Severe, Ared	a Affecte	d : 30%			
Floors	Location	n : Through	xtent : Severe, Ared					
Floors Cast in Place Concrete	Location 90%	n : Through	xtent : Severe, Ared	LIFE	**	5	\$132,100	
Floors Cast in Place Concrete Ceramic Tile	90% 5%	n : Through	xtent : Severe, Ared	LIFE 2034	* *	5	\$3,400	
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile	Location 90%	n : Through	xtent : Severe, Ared	LIFE	**			
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile Interior Walls	90% 5% 5%	n : Through	xtent : Severe, Ared	LIFE 2034 2030	* * * * * *	5 3	\$3,400 \$1,300	
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile Interior Walls Ceramic Tile	90% 5% 5%	n : Through	Extent : Severe, Area out	LIFE 2034 2030 2034	* * * * * *	5 3 5	\$3,400 \$1,300 \$1,400	
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile Interior Walls	90% 5% 5% 5% 95%	n : Through	Extent : Severe, Area out \$56,200	LIFE 2034 2030 2034 LIFE	* * * * * *	5 3	\$3,400 \$1,300	
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile Interior Walls Ceramic Tile	90% 5% 5% 5% 95% Cracking/	n : Through 0-2 Crumbling,	Stent : Severe, Area out \$56,200 Extent : Light, Area	LIFE 2034 2030 2034 LIFE	* * * * * *	5 3 5	\$3,400 \$1,300 \$1,400	
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile Interior Walls Ceramic Tile Concrete Masonry Unit	90% 5% 5% 5% 95% Cracking/	n : Through	Stent : Severe, Area out \$56,200 Extent : Light, Area	LIFE 2034 2030 2034 LIFE	* * * * * *	5 3 5	\$3,400 \$1,300 \$1,400	
Floors Cast in Place Concrete Ceramic Tile Vinyl Tile Interior Walls Ceramic Tile	90% 5% 5% 5% 95% Cracking/	n : Through 0-2 Crumbling, n : Through	Stent : Severe, Area out \$56,200 Extent : Light, Area	LIFE 2034 2030 2034 LIFE	* * * * * *	5 3 5	\$3,400 \$1,300 \$1,400	

Electrical		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Fused Disc Sw	100%			2035	* *	5	\$200	
Raceway								
Conduit	100%			2035	* *	1		

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

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

DEPARTMENT OF TRANSPORTATION - 841 BRIDGES IRON SHOP

Asset #: 14714

Electrical	Current Rep	air Futuı	Future Replacement		Maintenance		
System Component Type	% of Fail Date Es Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
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		
	•	T-12 Lamps, Extent : Moderate, Area Affected : 60%					
	Location: Throughout	The Building					
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	* *				

Mechanical	Current Rep	air Futur	e Replacement	M		
System Component Type	% of Fail Date Es	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2045	* *	1		
Conversion Equipment						
Furnace	50%	2030	* *	1	\$11,100	
	Other Observation, Exte	nt : Light, Area Affected	: 100%			
	Location: Roof					
	Explanation: 2 Units					
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	

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

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

DEPARTMENT OF TRANSPORTATION - 841 BRIDGES IRON SHOP

Mechanical	Current Repair	ent Repair Future Replacement			aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning						
Energy Source						
Electricity	100%	2041	**	1		
Conversion Equipment						
Ext Pkg Unit -	100%	2030	* *	2	\$2,700	
Heating/Cooling						
	R-22 Refrigerant, Extent: Light	t, Area Affected :	50%			
	Location: Roof					
	Other Observation, Extent: Lig	ht, Area Affected	: 100%			
	Location: Roof					
	Explanation: 2 Units					
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%					

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

Page: 63

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 / 14713Yr Built/Renovated: 1926 / 2014Area Sq Ft: 17,760Project Type: HIGHWAYS

Date of Survey : 09-May-2014 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,3

Block : 4074 Lot : 1 BIN : 2044091

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

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



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

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

Architecture	Current Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior						
Exterior Walls	1000/					
Not Accessible	100%	. I take Amag Affaatad	. 00/			
	Other Observation, Extent : Location : Throughout	: Ligni, Агеа Ајјесіва	. 0%			
	Explanation: Building Co	overed With Netting				
Windows	Explanation : Buttating Co	overed will ivelling				
Wood	100% Now	\$316,700 2033	* *	5	\$144,400	
	Air Infiltration, Extent : Sev	vere, Area Affected : 4	40%			
	Location: Throughout					
	Ctrwt/Balnc Not Funct, Ext	ent : Severe, Area Aff	fected : 40%			
	Location: Throughout					
	Water Penetration, Extent:	Severe, Area Affecte	d : 10%			
	Location: Throughout					
Parapets	1000/					
Not Accessible	100% Other Observation, Extent :	. Light Area Affacted	. 00/			
	Location: Throughout	. Ligiii, Агеа Ајјесіва	. 070			
	Explanation: Building Co	overed With Nettino				
Roof	Ziip ianianion i Ziiniani ₈ ee	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Not Accessible	100%					
	Other Observation, Extent:	: Light, Area Affected	: 0%			
	Location: Throughout					
	Explanation: Work In Pro	ogress				
nterior						
Floors	30% Now	\$132,100 2024	\$330,300	3	\$39,700	
Carpet	Punct/Tear/Impact Damage			3	\$39,700	
	Location: Throughout	e, Emem : Severe, III	arijjecica : 7570			
Cast in Place Concrete	5%	LIFE	* *	5	\$9,700	
Ceramic Tile	5% Now	\$33,400 2034	* *	5	\$2,200	
20111110	Cracking/Crumbling, Exten		rted : 60%		ΨΞ,Ξ00	
	Location : Throughout					
Marble Panels	5% 2-4	\$62,500 LIFE	* *	5	\$3,300	
	Cracking/Crumbling, Exten		ed : 10%		1 - 1	
	Location: Throughout					
Terrazzo	5% 2-4	\$20,000 LIFE	* *	5	\$3,400	
	Cracking/Crumbling, Exten		ed : 20%		. , -	
	Location: Throughout					
Vinyl Tile	50% 0-2	\$110,000 2025	\$366,600	3	\$16,600	
-	Cracking/Crumbling, Exten	at : Severe, Area Affec	rted : 50%			
	Location: Throughout					

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

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

Asset #: 14713

Architecture		Current F	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%	0-2	\$35,100	2034	* *	5	\$1,600	
	U	Crumbling, : Through	Extent : Severe, A. out	rea Affec	eted : 50%			
Gypsum Board	85%	Now	\$44,800	LIFE	* *	5	\$33,200	
Cypsum 2 sure	U	Crumbling, : Through	Extent : Severe, A. out	rea Affec	eted : 20%			
		etration, E : Through	xtent : Light, Area out	Affected	: 10%			
Masonry: Brick	5%			LIFE	* *			
Marble Panels	5%	2-4	\$50,700	LIFE	* *			
	Cracking/C	Crumbling,	Extent : Light, Are	a Affecte	ed : 10%			
	Location	: Through	out					
Ceilings								
AcousTileSusp.Lay-In	95%			2038	* *	5	\$83,900	
Exposed Concrete	5%			LIFE	* *	5	\$700	

Electrical		Current Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2025	\$4,700	5	\$100	
	Other Obse	ervation, Extent : Moderate, A	Area Affe	ected : 100%			
	Location	: Basement					
<u> </u>	Explanati	ion : 1- 600 Amps Main Disc	onnect S	witch			
Switchgear / Switchboard							
Molded Case Bkrs	100%		2025	\$95,500	5	\$500	
Raceway							
Conduit	90%		2025	\$24,400	1		
Conduit	10%		2045	* *	1		
Panelboards							
Fused Disc Sw	5%		2024	\$1,500	5		
Molded Case Bkrs	70%		2024	\$20,400	5	\$300	
Molded Case Bkrs	25%		2041	* *	5	\$100	
Wiring							
Braided Cloth	30%	2-4 \$13,700	2050	* *	1		
	Insulation 1	Aged, Extent : Moderate, Are	ea Affecte	ed : 100%			
	Location	: Throughout The Building					
Thermoplastic	40%		2025	\$18,300	1		
Thermoplastic	30%		2045	* *	1		
Motor Controllers							
Locally Mounted	100%		2023	\$28,800	5	\$100	
Ground				. , , , , , , , , , , , , , , , , , , ,			
Grounding Devices							
Generic	100%		LIFE	* *	5	\$300	

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

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

Asset #: 14713

	Current F	Repair	Futur	e Replacement	M	aintenance	
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
50%							
50%			2030	* *	1	\$3,300	
100%			2020	\$179,600			
	50% 50%	% of Fail Date Total (Years)	Total (Years) 50% 50%	% of Total Fail Date Estimated Cost (Years) 50% 50% 2030	% of Total Fail Date Estimated Cost FY 50% 50% 2030 ***	% of Total Fail Date Estimated Cost FY Estimated Cost (Years) 50% 2030 ** 1	% of Total Fail Date (Years) Estimated Cost FY Estimated Cost (Yrs) Cycle (Yrs) Estimated Cost (Yrs) 50% 2030 ** 1 \$3,300

Mechanical	Current Repair	Future	Replacement	M	aintenance				
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
leating									
Energy Source									
Natural Gas	100%	2045	* *	1					
Conversion Equipment									
Hot Water Boiler	100%	2030	* *	1	\$8,800				
	Other Observation, Extent: Light,		100%						
	Location: Basement Boiler Room	m							
	Explanation: 2 Units								
Distribution									
Hot Wtr Piping/Pump	100%	2024	\$87,100	4	\$900				
Terminal Devices									
Convector/Radiator	100%	2023	\$163,800	1	\$5,700				
Air Conditioning									
Energy Source									
Electricity	100%	2033	* *	1					
Conversion Equipment									
Reciprocating	15%	2020	\$8,800	1	\$1,200				
Compr/Chiller									
	On Extended Life, Extent: Light,	Area Affected : I	5%						
	Location: 1st Floor A C Room								
	R-22 Refrigerant, Extent: Light, A		5%						
	Location: Top Of Staircase, Roo	\underline{f}							
Ext Pkg Unit - Cooling	20%	2020	\$16,000	2	\$200				
	R-22 Refrigerant, Extent: Light, Area Affected: 20%								
	Location: Roof, Top Of Staircase								
	Other Observation, Extent: Sever		: 20%						
	Location: Roof, Top Of Staircas	se							
	Explanation : On Extended Life								
No Component	65%								
Terminal Devices									
Direct Expansion	15%	2020	\$2,800	1					
-	On Extended Life, Extent : Severe,	, Area Affected :	15%						
	Location: 1st Floor A C Room								
No Component	85%								

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

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

Mechanical		Current l	t Repair Futu		Future Replacement		Maintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection								
Air Condenser Unit	15%	0-2	\$1,800	2035	* *	2	\$1,500	
			Extent : Severe, Are	a Affecte	d : 15%			
	Location	i : Roof, To	p Of Staircase					
	Explana	tion : Obso	lete Unit					
No Component	85%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	\$4,000	
No Component	60%							
Exhaust Fans								
Interior	15%			2020	\$2,900	2	\$100	
Roof	25%			2020	\$3,400	2	\$100	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2035	* *	1		
Water Heater								
Gas Fired	100%			2023	\$4,000	2	\$300	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							

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

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

Page: 68

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture		\$8,000		\$41,700
Interior Architecture	\$1,000	\$500	\$100	
Electrical		\$400		\$400
Mechanical	\$3,200	\$2,100	\$3,300	\$8,000
Total	\$4,200	\$11,100	\$3,400	\$50,100
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	
Total	\$4,200	\$11,100	\$3,400	\$50,100



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

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

DEPARTMENT OF TRANSPORTATION - 841 CASTLETON DEPOT

Asset #: 14718

Architecture		Current I	Repair	Futur	e Replacement	Maintenance			
system Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
xterior									
Exterior Walls									
Fiberglass Panel	35%			2040	* *	5	\$67,000		
Masonry: Brick	50%	0-2	\$150,400	LIFE	* *	5	\$25,500		
		Cracks, Ex ı : Through	tent : Light, Area A out	ffected :	20%				
Metal Panel	5%			2055	* *	5-10	\$17,500		
Metal Sect. OHD	10%			2038	* *	5	\$16,000		
Windows									
Aluminum	100%			2050	* *	5	\$6,900		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	* *	5	\$2,100		
Masonry: Brick	90%			LIFE	* *	5	\$2,400		
Roof									
Single Ply Membrane	80%			2035	* *	10	\$33,200		
Skylight, Metal/Glass	20%			2055	* *	10	\$27,700		
terior									
Floors									
Cast in Place Concrete	95%	0-2	\$84,200	LIFE	* *	5	\$90,600		
	_	Crumbling, 1 : Through	Extent : Light, Are	ea Affecto	ed : 20%				
Quarry Tile	1%			2038	* *	5	\$700		
Vinyl Tile	4%			2030	* *	3	\$700		
Interior Walls									
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	* *				
Ceilings									
AcousTileSusp.Lay-In	3%	0-2	\$1,000	2038	* *	5	\$700		
	Cracking/	Crumbling,	Extent : Light, Are	ea Affecto	ed : 20%				
	Location	: Through	out						
Embossed Metal	1%			LIFE	* *	5	\$200		
Exposed Concrete	1%			LIFE	* *	5	\$100		
Exposed Struc: Steel	95%			LIFE	* *	-	+ - 30		

Electrical	Current Repair	Future Repl	acement	M	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2035	* *	5	\$100	
	Other Observation, Extent : Mo	derate, Area Affected :	100%			
	Location : Electrical Room					
	Explanation: One 800 Amps	Main Disconnect Switch	!			

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

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

DEPARTMENT OF TRANSPORTATION - 841 CASTLETON DEPOT

Asset #: 14718

Electrical		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Switchgear / Switchboard								
Fused Disc Sw	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	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$500	
Lighting								
Interior Lighting								
Fluorescent	100%			2035	* *	10	\$26,700	
	•		Moderate, Area Affe	ected : 1	00%			
	Location	i : Through	out The Building					
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	

lechanical	Current Repair	Future	Replacement	M		
ystem Component Type	% of Fail Date Estimat Total (Years)	red Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eating						
Energy Source						
Natural Gas	100%	2035	* *	1		
Conversion Equipment						
Furnace	75%	2030	* *	1	\$10,800	
Hot Water Boiler	25%	2030	* *	1	\$3,600	
	Other Observation, Extent: Li	ght, Area Affected :	: 20%			
	Location: Room 203					
	Explanation: 1 Unit					
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.

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

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

DEPARTMENT OF TRANSPORTATION - 841 CASTLETON DEPOT

Mechanical		Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Air Conditioning									
Energy Source									
Electricity	100%			2033	* *	1			
Conversion Equipment									
Int Pkg Unit - Cooling	20%			2023	\$73,300	2	\$400		
		gerant, Ex : Room 20	tent : Light, Area A 92	ffected :	20%				
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		

Page: 72

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$28,800	\$18,600	\$22,200	\$91,700
Importance Code A	\$1,400		\$600	\$26,200
Importance Code B	\$26,400	\$18,600	\$21,600	\$65,600
Importance Code C	\$1,100			
Total	\$28,800	\$18,600	\$22,200	\$91,700



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2422

Architecture	Current Repair	Future Replacement	Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Exterior					
Exterior Walls Cast in Place Concrete	80% Now \$1,004,400	LIFE **	5	\$1,823,500	
	Spalling, Extent: Light, Area Affected . Location: Southwest Facade Water Penetration, Extent: Moderate,				
	Location: Wall Adjacent To Ramp O				
Masonry: Brick	15% Now \$403,000 Diagonal Cracks, Extent : Severe, Area Location : Throughout	LIFE ** a Affected : 10%	5	\$68,400	
	Jnt Mortar Miss/Erod, Extent : Severe,	Area Affected : 20%			
	Location: Northeast Facade Misglion of Pulsing Extent : Square A	mag Affacted , 100/			
	Misaligned/Bulging, Extent: Severe, A Location: At Corners	rea Ајјества . 10%			
	Water Penetration, Extent : Severe, Are Location : Northeast Facade	ea Affected : 10%			
Masonry: Limestone	2% Now \$194,600 Int Mortar Miss/Erod, Extent : Modera		5	\$6,800	
	Location: Coping Over Free Standin			***	
Window Wall	3%	2045 **	5	\$51,300	
Parapets Cast in Place Concrete	95% Now \$71,400 Diagonal Cracks, Extent: Light, Area L Location: Throughout	LIFE ** Affected: 30%	5	\$118,700	
	Expansion Jnt Failure, Extent : Modera Location : Throughout	ate, Area Affected : 10%			
Metal Rail	5% Now \$800 Corrosion/Rusting, Extent : Moderate, Location : Rail Supports	2038 ** Area Affected : 20%	5	\$4,300	
Roof					
Cast in Place Concrete	95% Now \$118,400 Cracking/Crumbling, Extent: Moderat Location: Structural Connection Poi				
	Expansion Int Failure, Extent: Severe, Location: All Stair Locations, Buildi	Area Affected : 10%			
Copper/Terne	5%	2053 **	10	\$23,200	
nterior					
Floors Cast in Place Concrete	97% Now \$319,800 Cracking/Crumbling, Extent: Severe, A Location: Throughout	LIFE ** Area Affected : 10%	5	\$688,700	
Ceramic Tile	1%	2034 **	5	\$3,200	
Vinyl Tile	2% 2-4 \$10,800 Worn/Eroded, Extent : Moderate, Area Location : Office	2020 \$53,900	3	\$2,400	

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

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

Asset #: 2422

Architecture	Current Repair		Futur	e Replacement	M			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nterior								
Interior Walls								
Cast in Place Concrete	18%	Now	\$293,400	LIFE	* *			
			Extent: Severe, A		rted : 5%			
			ıl Columns - Level		1 100/			
			xtent : Severe, Area					
					ation Storage Area	ı		
		ervanon, E ı : Near Sta	xtent : Severe, Are invalls	а Ајјесте	a: 10%			
			ration From Deck					
Cananata Masanan Unit	80%			LIFE	* *	5	¢42.200	
Concrete Masonry Unit			\$228,900 ent : Moderate, Ar			3	\$42,200	
			em . Moderdie, Ar ithern Stairwells	ей Ајјесі	ea . 1070			
Gypsum Board	2%	Now	\$1,100	LIFE	* *	5	\$1,600	
Сурѕині Воліч					Area Affected : 15		\$1,000	
		: Through		bueruie, i	meangeciea. 15	70		
Ceilings			Sur Syste					
AcousTileSusp.Lay-In	2%	Now	\$51,300	2045	* *	5	\$3,200	
	Misaligne	d/Bulging, I	Extent : Moderate,	Area Aff	ected : 100%		7-,	
		: Through						
	Staining/L	Discoloring,	Extent : Moderate	, Area A	ffected : 100%			
	Location	: Through	out Office					
Exposed Concrete	98%	Now	\$499,700	LIFE	* *	5	\$49,700	
1	Cracking/	Crumbling,	Extent : Severe, A	rea Affec	rted : 5%			
	Location	: Structure	al Beams					
	Misaligne	d/Bulging, I	Extent : Severe, Ar	ea Affect	ed : 10%			
	Location	: Structure	al Connections At l	Vorthwes	t And Northeast C	orners		
	Other Obs	ervation, E	xtent : Severe, Are	a Affecte	d: 10%			
			Corners Near Stai					
	Explana	tion : <u>Sep</u> ar	ation Of Structura	<u>l Eleme</u> n	ts			

lectrical	Current Repair	Future Repla	acement	M	aintenance	
stem Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estim	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
der 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2035	* *	5	\$1,000	
	Other Observation, Extent : Mod	erate, Area Affected : 1	00%			
	Location : Electrical Room					
	Explanation: One 1200 Amps I	Main Disconnect Switch	h			
Switchgear / Switchboard						
Fused Disc Sw	100%	2035	* *	5	\$1,000	
Raceway						
Conduit	100%	2035	* *	1		
Panelboards						
Fused Disc Sw	5%	2033	* *	5	\$300	
Molded Case Bkrs	95%	2033	* *	5	\$6,000	

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

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

Asset #: 2422

Electrical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estimated Cost FY	Cycle Estimated Cost I (Yrs)	Priority
Under 600 Volts				
Wiring				
Thermoplastic	100%	2035 * *	<u> </u>	
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	
	Other Observation, Extent: Modera	ite, Area Affected : 100%		
	Location : Office			
	Explanation: T-12 Lamps			
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	\$700	
Alarm				
Security System				
No Component	80%			
Generic	20%	2025 \$142,900	1 \$18,100	

Mechanical	Current Repair	Futur	e Replacement	Ma		
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Electricity	100%	2035	* *	1		
Conversion Equipment						
Radiant Heater	3%	2025	\$28,000	2	\$3,000	
	Other Observation, Extent	: Light, Area Affected	: 3%			
	Location : 1st Level					
	Explanation: Manageme	nt Office And Sprinkle	r Room Only			
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		

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

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

Asset #: 2422

Mechanical	Current Repair	Future I	Replacement	M		
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning						
Conversion Equipment						
Window/Wall Unit	2%	2020	\$8,700	1		
	Other Observation, Extent : Light,	Area Affected : 2	2%			
	Location: 1st Level					
	Explanation : Management Offic	e Only				
No Component	98%					
Ventilation						
Distribution		.	_		4	
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	20/	2025	داد وا	4		
Brass/Copper	3%	2035	* *	1		
No Component	97%					
Water Heater	201	2010	Φ=00			
Electric	2%	2018	\$700	4		
No Component	98%					
Sanitary Piping	1000/		داد وا			
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping	1000/	r ree	* *	4		
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)	1000/	2020	0.4.0.00 0	,	44 - 60 0	
Rigid Piping	100%	2020	\$10,800	4	\$1,600	
Fixtures	1000/					
Generic	100%					
Vertical Transport						
Elevators	1000/	LIEE	* *			
Hydraulic	100%	LIFE				
	Other Observation, Extent: Light,	Area Affectea : 1	100%			
	Location: 1-4					
Eine Cummassier	Explanation: Two Units					
Fire Suppression Standpipe						
Generic	100%	2025	\$755,700	1-5	\$109,300	
	10070	2023	\$133,100	1-3	\$109,300	
Sprinkler No Component	80%					
Generic	20%	2025	\$404.500	1.2	\$12.200	
Generic	2070	2023	\$494,500	1-2	\$12,200	

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

^{**} 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 : 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$31,800	\$14,100	\$14,500	\$79,300
Importance Code A	\$2,300			\$4,700
Importance Code B	\$29,500	\$14,100	\$14,500	\$74,600
Importance Code C				
Total	\$31,800	\$14,100	\$14,500	\$79,300



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

DEPARTMENT OF TRANSPORTATION - 841 DELANCEY - ESSEX GARAGE

Asset #: 14318

rchitecture	Current Repair			Future Replacement		М		
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
aterior				•				•
Exterior Walls								
Cast in Place Concrete	10%			LIFE	* *	5	\$25,100	
Masonry: Brick	15%			LIFE	* *	5	\$7,500	
	-		Extent : Light, Are	a Affecte	d : 25%			
			l West Facades		rc . 1 500/			
			e, Extent : Moderat	e, Area A	Affected: 50%			
		: East And	d West Facades					
Metal Panel	3%			2045	* *	5-10	\$10,400	
Pre-Cast Concrete	72%			LIFE	* *	5	\$117,500	
Windows						_		
Aluminum	100%			2041	* *	5	\$3,000	
Parapets						~	A - A -	
Cast in Place Concrete	20%			LIFE	* *	5	\$6,200	
Masonry: Brick	5%			LIFE	* *	5	\$200	
Metal Panel	2%	2.4	Φ2 200	2045	* *	5	\$200	
Metal: Cage/Fence	10%	2-4	\$2,300	2030	**	5	\$1,000	
		_	Extent : Moderate, A	Area Affe	cted : 25%			
		: South Fo		4 40	C . 1 500/			
			Extent : Moderate,	Area Afj	rectea : 50%			
		: South Fo	ісаае					
Pre-Cast Concrete	63%			LIFE	* *	5	\$11,900	
Roof Traffic Topping	95% Cracking/	Now Crumbling	\$144,700 Extent : Moderate	2025 . Area A	\$361,800 ffected : 20%			
	_	: Over Six		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
			e, Extent : Modera	te, Area .	Affected : 15%			
	-	: Over Six		.,	-9,5			
			: Moderate, Area	Affected	: 25%			
		: Over Six		33				
Not Accessible	5%							
terior	370							
Floors								
Cast in Place Concrete	98%	0-2	\$352,400	LIFE	* *	5	\$379,500	
			Extent : Moderate		ffected : 25%		φε/>,εσσ	
	_	: Through		, ,	<i>3</i>			
Vinyl Tile	2%			2020	\$29,400	3	\$1,800	
Interior Walls	270			2020	Ψ27,π00		Ψ1,000	
Cast in Place Concrete	92%			LIFE	* *			
Concrete Masonry Unit	5%			LIFE	* *	5	\$300	
Masonry: Brick	3%			LIFE	* *	3	Ψ300	
Ceilings	370							
AcousTile,Adhered	2%			2023	\$32,100	5	\$3,500	
Exposed Concrete	98%			LIFE	**	5	\$27,100	
					1 150/	_	<i>→=1,130</i>	
_	Water Pen	etration. F	Extent : Moderate, A	rea Affe	cted : 15%			

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

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

DEPARTMENT OF TRANSPORTATION - 841 DELANCEY - ESSEX GARAGE

Asset #: 14318

Electrical	Current Repa	ir F <u>utu</u> r	Future Replacement		Maintenance		
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Service Equipment				_			
Molded Case Bkrs	100%	2025	\$4,700	5	\$3,400		
	Other Observation, Exten		ected : 100%				
	Location : Electrical Ro Explanation : No Name						
Switchgear / Switchboard	Explanation: No Name	naie Kaiings Avaiiabie					
Molded Case Bkrs	100%	2025	\$71,600	5	\$3,400		
Raceway	10070	2023	Ψ/1,000		Ψ3,400		
Conduit	100%	2025	\$14,600	1			
Panelboards	10070		41.,000				
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		
Ground							
Grounding Devices							
Generic	100%	LIFE	* *	5	\$1,900		
Lighting							
Interior Lighting							
Fluorescent	75%	2020	\$452,300	10	\$81,400		
	Other Observation, Exten		ected : 100%				
	Location: Throughout T	_					
	Explanation: T-12 Lam	-					
Fluorescent	25% 0-2	\$150,800 2035	* *				
	Inadequate Ltg Level, Ext		ffected : 100%				
	Location: Throughout T	the Building					
Egress Lighting	500 /	2020	Φ 77 000	10	¢14200		
Emergency, Battery	50%	2020	\$77,900	10	\$14,300		
Exit, Battery	50%	2020	\$53,200	10	\$4,000		
Exterior Lighting	100%	2020	\$470.500	10	\$400		
HID Alarm	100%	2020	\$479,500	10	\$400		
Security System							
No Component	90%						
Generic	10%	2020	\$38,400	1	\$4,900		
30	Other Observation, Exten			-	Ψ.,,,,,		
	Location : Front And Bo						
	Explanation : CCTV Sur	-	Functional				
Fire/Smoke Detection	•						
No Component	90%						
Generic, Analog	10% Now	\$131,500 2035	* *				
	Not in Service, Extent : M		: 100%				
	Location : Throughout T	The Building					

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

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

DEPARTMENT OF TRANSPORTATION - 841 DELANCEY - ESSEX GARAGE

Asset #: 14318

Mechanical		Current Repair		Future	Replacement	Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Heating									
Energy Source	400								
Electricity	100%			2035	* *	1			
Conversion Equipment	20/			2025	Φ200	2			
Radiant Heater	3% Other Obse	ervation I	Extent : Light, Area	2025	\$200	2			
			n 1st Level	Ајјестеи.	370				
			it - Only The Office	Has This	Heating Device				
No Component	97%		ii only The Office	1100 1700	Treating Bernee				
Air Conditioning	7170								
Energy Source									
Electricity	100%			2033	* *	1			
Conversion Equipment									
Window/Wall Unit	3%			2023	\$7,100	1			
			Extent : Light, Area	Affected:	3%				
		_	ment Office						
		ion: 1 Un	it						
No Component	97%								
Ventilation									
Distribution Ductwork/Diffusers	5%			LIFE	* *	2-5	\$3,300		
Ductwork/Diffusers		rvation F	Extent : Light, Area			2-3	\$5,500		
			el Fan Room	пуссиси.	370				
			Ductwork In 2nd Le	evel Fan R	oom Has Not Bee	n Used I	For Many Years		
No Component	95%								
Exhaust Fans									
Interior	5%	Now	\$6,200	2035	* *	2	\$100		
	Obsolete E	quipment,	Extent : Severe, Ar	rea Affecte	ed : 5%				
	Location	: 2nd Leve	el Fan Room						
No Component	95%								
Plumbing									
H/C Water Piping									
Brass/Copper	5%			2025	\$17,200	1			
No Component	95%								
Sanitary Piping	5 0.				de de				
Cast Iron	5%			LIFE	* *	1			
No Component	95%								
Storm Drain Piping Cast Iron	100%	Now	\$3,200	LIFE	* *	1			
Cast Hon			oderate, Area Affec			1			
		: 3rd Leve							
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%								
7 .: 1.00									

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.

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

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

DEPARTMENT OF TRANSPORTATION - 841 DELANCEY - ESSEX GARAGE

Asset #: 14318

Mechanical	Current Repair			Futur	re Replacement	M		
System Component Type	% of Fail D Total (Yea		Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Vertical Transport

Elevators

Geared Traction 100% LIFE **

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

Location: Parking Levels 1-6

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

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 / 14716Yr Built/Renovated: 1931 / 2013Area Sq Ft: 20,000Project Type: HIGHWAYS

Date of Survey : 29-Oct-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1

Block : 24 Lot : 7 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Exterior Architecture	\$893,300	
Interior Architecture	\$447,200	\$46,500
Electrical	\$138,500	
Total	\$1,479,100	\$46,500
Importance Code A	\$893,300	
Importance Code B	\$442,200	\$46,500
Importance Code C	\$143,600	
Total	\$1,479,100	\$46,500

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



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

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

DEPARTMENT OF TRANSPORTATION - 841 DOT EMERGENCY RESPONSE UNIT

Asset #: 14716

Architecture	Current Repair	Future Replacement	Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
xterior					
Exterior Walls			_		
Masonry: Brick	60% Now \$280,200 Broken/Missing Elements, Extent: Seve Location: Throughout Cracking/Crumbling, Extent: Severe, A		5	\$23,800	1
	Location: Throughout Jnt Mortar Miss/Erod, Extent: Severe,	Area Affected : 60%			
	Location : Throughout				
	Water Penetration, Extent : Severe, Are Location : Throughout	ea Affected : 40%			
Metal Coiling Doors	40% Now \$351,300 Broken/Missing Elements, Extent : Mod Location : Throughout	2030 ** lerate, Area Affected : 40%	5	\$24,800	
Windows					
Steel	100% Now \$150,300 Broken/Missing Elements, Extent : Seve Location : Throughout	2050 ** ere, Area Affected : 100%	5	\$18,400	1
Parapets					
Cast Stone/Terra Cotta	10% Now \$27,300 Cracking/Crumbling, Extent: Severe, A Location: Throughout	LIFE ** Area Affected : 30%	5	\$4,300	
Masonry: Brick	90% 4+ \$111,600 Cracking/Crumbling, Extent: Moderate Location: Throughout	LIFE ** e, Area Affected : 40%	5	\$4,900	
Roof					
Not Accessible	100% Other Observation, Extent: Light, Area Location: Entire Roof Explanation: Although Not Accessible	-	ı Poor Co	ondition	
nterior					
Floors Cast in Place Concrete	100% Now \$43,200 Cracking/Crumbling, Extent: Moderate Location: Throughout		5	\$46,500	
Interior Walls					
Masonry: Brick	100% Now \$143,600 Cracking/Crumbling, Extent : Moderate Location : Throughout	LIFE ** e, Area Affected : 30%			
Ceilings Exposed Struc: Wood	100% 2-4 \$260,500 Cracking/Crumbling, Extent: Moderate Location: Throughout	LIFE ** e, Area Affected : 20%			

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

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

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

DEPARTMENT OF TRANSPORTATION - 841 DOT EMERGENCY RESPONSE UNIT

Asset #: 14716

Electrical	Current Repair	Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimat Total (Years)	ted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Molded Case Bkrs	100%	2055	* *	5	\$500	
	Other Observation, Extent : M	oderate, Area Affe	cted : 100%			
	Location: Electrical Room					
	Explanation: One 200 Amps	Main Disconecct	Switch			
Raceway	40-1					
Conduit	40%	2055	* *	1		
Conduit	60%	2025	\$2,200	1		
Panelboards				_		
Fused Disc Sw	5%	2050	* *	5		
Molded Case Bkrs	50%	2050	* *	5	\$300	
Molded Case Bkrs	45%	2024	\$3,300	5	\$200	
Wiring						
Thermoplastic	60%	2055	* *	1		
Thermoplastic	40%	2025	\$3,200	1		
Motor Controllers						
Locally Mounted	100%	2045	* *	5	\$100	
Ground						
Grounding Devices				_		
Generic	100%	LIFE	* *	5	\$300	
Lighting						
Interior Lighting	2004	2020	ate ate	4.0	#2.5 00	
Fluorescent	20%	2030	* *	10	\$3,700	
	T-12 Lamps, Extent : Moderat Location : Office	e, Area Affected : 2	30%			
Fluorescent	78%	2020	\$79,500	10	\$14,300	
	T-12 Lamps, Extent : Moderat Location : Throughout The E		78%			
Incandescent	2%	2020	\$2,000	2		
Egress Lighting		- 12	, ,			
Exit, Service	100%	2035	* *	1		
Exterior Lighting						
HID	20%	2035	* *	10		
HID	80%	2020	\$59,000	10		
Alarm		- 12	, - , -			
Security System						
No Component	50%					
Generic	50%	2035	* *	1	\$3,700	

mated Cost	Priority
	nated Cost

Maintenance \$ are aggregated over a ten-year period. Site 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 R	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating	<u>'</u>						
Conversion Equipment							
Furnace	15%		2033	* *	1	\$1,500	
No Component	85%						
Air Conditioning							
Energy Source							
Electricity	100%		2041	* *	1		
Conversion Equipment							
Int Pkg Unit -	15%		2029	* *	2	\$200	
Heating/Cooling							
	Other Observation, Ex	tent : Light, Area	Affected	: 15%			
	Location : Office						
	Explanation: 410a F	Refrigerant					
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%						

Maintenance \$ are aggregated over a ten-year 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
Total	\$195,600	\$463,000
Importance Code A	\$102,100	\$54,700
Importance Code B	\$93,500	\$408,400
Total	\$195,600	\$463,000

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
Total	\$13,800	\$16,500	\$9,000	\$31,500
Importance Code A	\$7,700	\$9,500		\$5,400
Importance Code B	\$6,100	\$6,900	\$9,000	\$26,100
Importance Code C				
•				



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Architecture	Current Repair		Future Replacement		Maintenance			
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
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	
	Cracking/Cr Location :	North Fo	Extent : Moderate	, Area A <u>j</u>	-		, ,	
	Location:	North Fo	ıcade					
Metal Coiling Doors	5%			2038	* *	5	\$6,600	
Metal: Cage/Fence	5%			2038	* *	5	\$9,200	
Pre-Cast Concrete	40%			LIFE	* *	5	\$54,700	
	Other Obser	North Ar	Extent : Moderate, A nd South Facades I Infills		cted : 100%		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Window Wall	5%			2045	* *	5	\$7,900	
	Location:	Section (Extent : Moderate, F Of First Floor On T nercial Space Use					
Parapets								
Concrete Masonry Unit	40%			LIFE	* *	5	\$1,400	
Metal Rail	5%			2038	* *	5-10	\$2,700	
Pre-Cast Concrete	55%			LIFE	* *	5	\$10,500	
		North Ar	Extent : Moderate, A nd South Parapets I Infills	Area Affe	cted : 100%			
Roof	Expression	, 171Ctc	i Trigitus					
Traffic Topping	95%			2030	* *	10	\$102,100	
Not Accessible	5%			2000		10	Ψ102,100	
nterior Floors	370							
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	
Interior Walls	270				\$20,000		Ψ1,700	
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	* *	5	Ψ200	
Ceilings	7 /0			LIIL				
AcousTileSusp.Lay-In	2%			2030	* *	5	\$3,100	
Exposed Concrete	98%			LIFE	* *	5	\$23,400	
Exposed Colletete	70%			LIFE		J	\$23,400	

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

Under 600 Volts

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

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

Electrical	Current Repair	Future Repla	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Estima FY	nted Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts		•					
Service Equipment							
Molded Case Bkrs	100%	2045	* *	5	\$3,000		
	Other Observation, Extent : M	Ioderate, Area Affected : 10	00%				
	Location : Electrical Room						
	Explanation : Main Service	Switch Rated @ 500 Ampe	res				
Switchgear / Switchboard				_			
Molded Case Bkrs	100%	2045	* *	5	\$3,000		
Raceway							
Conduit	100%	2045	* *	1			
Panelboards	1000	-0.44		_	4.000		
Molded Case Bkrs	100%	2041	* *	5	\$3,000		
Wiring	1000	20.45	de de				
Thermoplastic	100%	2045	* *	1			
Ground							
Grounding Devices	1000/	LIPP	* *	~	Φ1. COO		
Generic	100%	LIFE	* *	5	\$1,600		
Lighting							
Interior Lighting Fluorescent	100%	2030	* *	10	\$93,500		
riuorescent	Other Observation, Extent : M			10	\$93,300		
	Location : Throughout The I	==	0070				
	Explanation: T-8 Lamps	Juliumg					
Egress Lighting	Explanation . 1- 8 Eamps						
Exit, Service	100%	2030	* *	1			
Exterior Lighting	10070	2030		1			
HID	100%	2030	* *	10	\$300		
Alarm	10070	2030		10	Ψ300		
Security System							
No Component	80%						
Generic	20%	2030	* *	1	\$8,400		
34.4.1.6	Other Observation, Extent : M		00%	•	Ψ0,.00		
	Location: 1st Floor Only	, 33					
	Explanation: 6 CCTV Surv	eillance Cameras					
Fire/Smoke Detection							
No Component	95%						
Generic, Analog	5%	2025	\$56,700				
-, 6	Other Observation, Extent : M						
	Location : 5th And 4th Floor						
	Explanation : Alarm Bells						

Mechanical	Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
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.

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

^{**} 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	Current Repair	Future Re	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year Esti	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Conversion Equipment						
Radiant Heater	2%	2025	\$100	2		
	Other Observation, Extent:	Light, Area Affected : 2%	ó			
	Location : Office Only					
	Explanation: 1 Unit					
No Component	98%					
Air Conditioning						
Energy Source						
Electricity	100%	2033	* *	1		
Conversion Equipment						
Window/Wall Unit	2%	2020	\$4,100	1		
	Other Observation, Extent:	Light, Area Affected : 2%	ó			
	Location : Office Only					
	Explanation: 1 Unit					
No Component	98%					
Distribution						
No Component	0%					
Ventilation						
Exhaust Fans						
Wall Unit	5%	2020	\$7,500	2	\$200	
No Component	95%					
Plumbing						
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%					
Vertical Transport						
Elevators						
Geared Traction	100%	LIFE	* *			
	Other Observation, Extent:	Light, Area Affected : 100	0%			
	Location: 1-4 & Roof					
	Explanation: 1 Unit					
Fire Suppression						
Standpipe						
Generic	100%	2035	* *	1-5	\$500	

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

^{**} 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	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression Sprinkler							
No Component	98%						
Generic	2%		2025	\$200	1-2		

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$52,700			
Interior Architecture	\$55,000		\$700	\$200
Electrical	\$39,500		\$100	\$300
Mechanical	\$19,700	\$3,800	\$4,200	\$3,300
Total	\$166,900	\$3,800	\$5,000	\$3,800
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			
Total	\$166.900	\$3,800	\$5,000	\$3,800



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

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

Asset #: 1000

Architecture		Current F	Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	Location Horizonta Location Jnt Morta Location Rusting M Location	a: At Maso l Cracks, E a: Through r Miss/Ero a: Through asonry Sup a: At Maso	d, Extent : Moderat	indows Area Affe e, Area A	ected : 10% Affected : 25% Affected : 20%	5	\$21,300	
	Location	: Chimney	,					
			xtent : Light, Area out Window Openi		: 10%			
Metal Coiling Doors	10%			2031	* *	5	\$7,700	
Stucco Cement		Now issing Elem : Bulkhead	\$20,800 eents, Extent : Mod	2046 erate, Ar	* * rea Affected : 20%	5	\$900	
	Location Worn/Ero	: Bulkhead	: Moderate, Area					
Windows					de de			
Aluminum	100%			2042	* *	5	\$3,300	
Aluminum Parapets Masonry: Brick	90% Jnt Morta	Now r Miss/Eroc : Interior	\$26,400 l, Extent : Moderat Face	LIFE	* *	5	\$3,300 \$2,300	
Parapets	90% Jnt Morta Location Spalling, 1	r Miss/Erod : Interior	l, Extent : Moderai Face derate, Area Affeci	LIFE te, Area A	* * Affected : 100%			
Parapets	90% Jnt Morta Location Spalling, 1	r Miss/Eroo : Interior : Extent : Mo	l, Extent : Moderai Face derate, Area Affeci	LIFE te, Area A	* * Affected : 100%			
Parapets Masonry: Brick	90% Jnt Morta Location Spalling, I Location 10% 10% Gravel/Sla	r Miss/Eroc : Interior Extent : Mo : Inside Fo	l, Extent : Moderat Face derate, Area Affect ace Extent : Moderate,	LIFE ted: 20% LIFE 2026	* * * Affected : 100% * * \$17,900	5	\$2,300	
Parapets Masonry: Brick Masonry: Limestone Roof Built-Up (BUR)	90% Jnt Morta Location Spalling, I Location 10% 10% Gravel/Sla	r Miss/Eroc a : Interior : Extent : Mo a : Inside Fo ag Surface,	l, Extent : Moderat Face derate, Area Affect ace Extent : Moderate,	LIFE te, Area to ted: 20% LIFE 2026 Area Af	* * * Affected : 100% * * \$17,900	5 5-10 10	\$2,300 \$3,200 \$4,000	
Parapets Masonry: Brick Masonry: Limestone Roof Built-Up (BUR) Metal Panel	90% Jnt Morta Location Spalling, I Location 10% 10% Gravel/Sla	r Miss/Eroc a : Interior : Extent : Mo a : Inside Fo ag Surface,	l, Extent : Moderat Face derate, Area Affect ace Extent : Moderate,	LIFE ted: 20% LIFE 2026	* * Affected : 100% ** \$17,900 fected : 20%	5-10	\$2,300 \$3,200	
Parapets Masonry: Brick Masonry: Limestone Roof Built-Up (BUR) Metal Panel Roll Roofing nterior	90% Jnt Morta Location Spalling, I Location 10% 10% Gravel/Sla Location 87%	r Miss/Eroc a : Interior : Extent : Mo a : Inside Fo ag Surface,	l, Extent : Moderat Face derate, Area Affect ace Extent : Moderate,	LIFE tee, Area 20% LIFE 2026 Area Af	* * * * * * * * * * * * * * * * * * *	5-10 10	\$2,300 \$3,200 \$4,000 \$63,700	
Parapets Masonry: Brick Masonry: Limestone Roof Built-Up (BUR) Metal Panel Roll Roofing	90% Jnt Morta Location Spalling, I Location 10% Gravel/Sla Location 87% 3% 90% Cracking/	r Miss/Eroc : Interior : Interior : Inside Fo a: Inside Fo ag Surface, : Flat Seco	l, Extent : Moderate Face derate, Area Affect ace Extent : Moderate, tion \$25,500 Extent : Moderate	LIFE ted : 20% LIFE 2026 Area Af 2039 2022	** Affected: 100% ** \$17,900 fected: 20% ** \$4,800	5-10 10	\$2,300 \$3,200 \$4,000 \$63,700	
Parapets Masonry: Brick Masonry: Limestone Roof Built-Up (BUR) Metal Panel Roll Roofing nterior Floors	90% Jnt Morta Location Spalling, I Location 10% Gravel/Sla Location 87% 3% 90% Cracking/	r Miss/Eroc : Interior : Interior : Inside Fo ag Surface, : Flat Secu	l, Extent : Moderate Face derate, Area Affect ace Extent : Moderate, tion \$25,500 Extent : Moderate	LIFE ted : 20% LIFE 2026 Area Af 2039 2022	** Affected: 100% ** \$17,900 fected: 20% ** \$4,800	5 5-10 10 10 5	\$2,300 \$3,200 \$4,000 \$63,700 \$2,000	

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

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

Asset #: 1000

Architecture		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Concrete Masonry Unit	5%			LIFE	* *	5	\$500	
Glass: Single Pane	2%			LIFE	* *	5	\$300	
Masonry: Brick	93%	Now	\$20,100	LIFE	* *			
	Vertical C	racks, Exte	nt : Moderate, Are	a Affecte	d : 5%			
	Location	a : Upper L	evel					
Ceilings								
Exposed Concrete	10%	Now	\$8,800	LIFE	* *	5	\$400	
	Cracking/	Crumbling,	Extent : Light, Are	a Affecte	ed : 10%			
	Location	: Through	out					
Exposed Struc: Steel	90%			LIFE	* *	10	\$50,300	

Electrical	Current Repair	Future	Replacement	Maintenance					
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Under 600 Volts			_						
Service Equipment									
Fused Disc Sw	100%	2026	\$1,400	5	\$100				
	Other Observation, Extent : Modera Location : Electrical Room	te, Area Affecto	ed : 100%						
	Explanation : One Electrical Servi	ce Rated At 40	0 Amps						
Raceway									
Conduit	100%	2026	\$3,700	1					
Panelboards									
Molded Case Bkrs	100%	2025	\$14,600	5	\$500				
Wiring									
Braided Cloth	80% 2-4 \$33,30	00 2051	* *	1					
	Insulation Aged, Extent : Moderate, Location : Office Plus Electrical R		: 100%						
Thermoplastic	20%	2026	\$1,600	1					
Motor Controllers									
Locally Mounted	100%	2024	\$21,100	5	\$100				
Ground									
Grounding Devices									
Generic	100%	LIFE	* *	5	\$600				
	Other Observation, Extent : Modera	te, Area Affect	ed : 100%						
	Location: Basement								
	Explanation: Water Main								
Lighting									
Interior Lighting									
Fluorescent	30%	2021	\$42,700	10	\$5,100				
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location: Throughout The Buildin	ig							
	Explanation: T-8 Lamps								
HID	70%	2031	* *	10	\$400				

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

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

Asset #: 1000

Electrical		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Egress Lighting								
Exit, Service	50%			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			

Mechanical	Current F	Repair	Futur	Future Replacement		aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
leating							
Energy Source							
Natural Gas	100%		2036	* *	1		
Conversion Equipment							
Steam Boiler	100%		2031	* *	1	\$18,500	
	Other Observation, E	Extent : Light, Area	Affected	: 100%			
	Location: Basemen	t					
	Explanation: 2 Uni	its, One Is Obsolete					
Distribution							
Steam Piping/Pump	100%		2026	\$127,300	4	\$1,400	
Terminal Devices							
Convector/Radiator	15%		2024	\$25,800	1	\$900	
Fan Coil Unit/Heat	85%		2026	\$232,000	1	\$5,100	
ir Conditioning							
Energy Source							
Electricity	100%		2034	* *	1		
Conversion Equipment							
Window/Wall Unit	10%		2021	\$3,700	1		
No Component	90%						
entilation entile							
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	
lumbing							
H/C Water Piping							
Brass/Copper	100%		2026	\$54,400	1		
Water Heater							
Gas Fired	100%		2026	\$4,200	2	\$300	
	Recent Installation, E	Extent : Light, Area	Affected				
	Location : Basemen	t					

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

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

Asset #: 1000

Mechanical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Rigid Piping	100%	0-2	\$10,800	2036	* *	4	\$1,600	
	On Extend	ed Life, Ex	tent : Moderate, Ai	ea Affec	ted : 100%			
	Location	: Basemen	t					
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2026	\$212,900	1-2	\$5,200	

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
Total	\$43,100	\$100	\$100	\$400
Importance Code A	\$31,300			
Importance Code B	\$7,100	\$100	\$100	\$400
Importance Code C	\$4,800			
Total	\$43 100	\$100	\$100	\$400



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

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

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

Asset #: 1036

System	Current Repair Future Rep						
Component Type	% of Fail Date Es Total (Years)	stimated Cost	Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls		***			_	** 000	
Masonry: Brick	85% Now	, , ,	LIFE	**	5	\$2,800	1
	Horizontal Cracks, Exter Location: Throughout		ea Affected : 2	20%			
	Rusting Masonry Supt, E		an Affactad .	500/			
	Location : At Masonry		еи Ајјестеи .	3070			
	Vertical Cracks, Extent:		Affected · 109	%			
	Location : Corners	moderate, med	ijjecica : 107				
Metal Coiling Doors	15%		2031	* *	5	\$1,500	
Windows						. ,	
Aluminum	100% Now	\$900	2042	* *	5	\$200	
	Air Infiltration, Extent:	Light, Area Affect	ed : 50%				
	Location: Throughout						
	Glazing Broken/Cracked	_	rea Affected	: 10%			
	Location: Throughout						
Parapets	050/ Na	¢5 (00	LIDD	* *	_	\$200	1
Masonry: Brick	95% Now Diagonal Cracks, Extent		LIFE Facted: 30%		5	\$300	1
	Location : At Corners	. Severe, Area Aj	јестеи . 50/0				
	Vertical Cracks, Extent:	Severe. Area Affa	ected : 30%				
	Location : Corners	20,0,0,11,00,13,5					
Masonry: Limestone	5% Now	\$100	LIFE	* *	5		
	Jnt Mortar Miss/Erod, E			0%			
	Location : Throughout						
Roof							
Built-Up (BUR)	100%		2031	* *	10	\$5,300	
nterior							
Floors Cast in Place Concrete	70% Now	¢1 200	LIFE	* *	5	¢5 700	
Cast III Place Concrete	70% Now Cracking/Crumbling, Ex	, ,			3	\$5,700	
	Location: Throughout	_	пуссиса . 10	70			
Ceramic Tile	5%		2035	* *	5	\$200	
Vinyl Tile	25% 0-2		2033	* *	3	\$400	
,y2 2.110	Cracking/Crumbling, Ex			%	C	φ.00	
	Location : Throughout		55				
Interior Walls							
Gypsum Board	25%		LIFE	* *	5-10	\$600	
Masonry: Brick	75% 0-2		LIFE	* *			
	Cracking/Crumbling, Ex Location : Throughout		Affected : 10	%			
Ceilings							
AcousTileSusp.Lay-In	25% 0-2		2031	* *	5	\$500	
	Cracking/Crumbling, Ex Location : Throughout	_	Affected : 10	%			
Exposed Concrete	75%		LIFE	* *	5-10	\$3,500	

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

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

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

Asset #: 1036

Electrical	Current Repair	Future	Replacement	M		
System Component Type	% of Fail Date Estimat Total (Years)	ed Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	
	Other Observation, Extent : M	oderate, Area Affec	ted : 100%			
	Location : Throughout The B	uilding				
	Explanation: T-8 Lamps					
HID	10%	2026	\$1,900	10		
Incandescent	5%	2021	\$600	2		

Mechanical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%			2036	* *	4	\$100	
Terminal Devices								
Convector/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		
	Corroded,	Extent : M	oderate, Area Affec	cted : 20	%			
	Location	: Water M	ain And Piping					
Water Heater								
Electric	100%			2021	\$400	4		
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		

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

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

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

Asset #: 1036

Mechanical	Current	Current Repair		re Replacement	M		
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing							
Fixtures							
Generic	100%						

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$81,500	\$2,300	\$69,900	\$2,300
Importance Code A	\$56,600	\$1,500	\$12,600	\$1,500
Importance Code B	\$24,200	\$800	\$57,300	\$900
Importance Code C	\$700			
Total	\$81.500	\$2,300	\$69,900	\$2,300



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

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

Asset # : 2423

Architecture	Cur	rent Rep	air	Futur	e Replacemer	nt	M	Maintenance		
ystem Component Type	% of Fail Total (Ye		stimated Cost	Year FY	Estimated C	ost	Cycle (Yrs)	Estimated Cost	Priority	
xterior										
Exterior Walls										
Concrete Masonry Unit	5%			LIFE		* *	5	\$600		
Masonry: Brick	40% No		\$91,200	LIFE		* *	5	\$7,700		
	Broken/Missing				ea Affected : I	5%				
			le at Plumbing		. 1 150/					
	Diagonal Crack		: Moaerate, Ai	ea Affect	tea : 15%					
		Location: Throughout								
		Efflorescence, Extent : Moderate, Area Affected : 10% Location : North Facade, Throughout								
		Location : North Facade, 1 nroughout Horizontal Cracks, Extent : Moderate, Area Affected : 15%								
		Location : North Facade, Throughout								
	Int Mortar Mis.			Area Affe	ected : 50%					
			le, Throughout							
Metal Panel	10%			2034		* *	5-10	\$13,300		
Metal Coiling Doors	5%			2029		* *	5	\$3,000		
Stucco Cement	40% No	w	\$43,800	2029		* *	5	\$9,700		
	Broken/Missing	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location: No	rth Side A	Above Roll-up L	oor, Soi	ıth Facade					
	Cracking/Crum			rea Affec	rted : 10%					
	Location : Ea									
	Diagonal Crack			ea Affect	ted : 20%					
	Location : Soi	th Facae	le							
Windows	700/ NI		¢02.000	20.40		* *	_	¢11 400	1	
Steel	70% No		\$92,800	2049		* *	5	\$11,400	1	
	Air Infiltration, Location: The		woaeraie, Area	Ајјестеа	1:100%					
	Bent/Warped E	_	Extent · Severe	Area Afi	Sected · 25%					
	Location : Thi		zareni . severe,	11, ea 11,,	2370					
	Glazing Broken		!. Extent : Sever	e. Area A	Affected : 50%					
	Location : Th		,	.,	33					
	Thermally Ineff	cient, Ex	tent : Severe, A	rea Affec	cted : 100%					
	Location : Thi	oughout								
Wood	30% No	w	\$21,400	2049		* *	5	\$3,900	1	
	Deteriorated Fi	nish, Ext	ent : Severe, Ar	ea Affect	ed : 100%					
	Location: The	oughout								
	Dry Rot/Decay, Extent : Severe, Area Affected : 25%									
	Location: Thi	oughout								
	Glazing Broken		l, Extent : Sever	e, Area A	Affected : 50%					
	Location : The	_								
	Thermally Ineff		tent : Severe, A	rea Affec	cted : 100%					
	Location: Thi	oughout								

Asset #: 2423

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

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

Asset #: 2423

Architecture		Current Repair		Futur	e Replacement	М			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
nterior									
Interior Walls									
Cast in Place Concrete	15%			LIFE	* *				
	Other Observation, Extent : Light, Area Affected : 100%								
		ı : Througho							
	Explana	tion : Interio	or Not Accessible						
Concrete Masonry Unit	5%			LIFE	* *	5	\$200		
Gypsum Board	15%			LIFE	* *	5	\$800		
Masonry: Brick	55%			LIFE	* *				
Plaster	10%	Now	\$700	LIFE	* *	5	\$300		
	Broken/M	issing Eleme	ents, Extent : Seve	re, Area	Affected : 10%				
	Location	ı : South Wa	ll Near Door						
	Loose/Del	lam Surface,	Extent: Severe, A	Area Affe	cted : 25%				
	Location	ı : South Wa	ll Near Door						
Ceilings									
Exposed Concrete	15%			LIFE	* *	5	\$500		
	Other Obs	servation, Ex	tent : Light, Area	Affected	: 100%				
	Location	ı : Througho	ut						
	Explana	tion : Interio	or Not Accessible						
Exposed Struc: Steel	10%			LIFE	* *				
Fiber Board	65%	Now	\$18,300	2024	\$91,300				
	Broken/Missing Elements, Extent: Moderate, Area Affected: 25%								
	Location	ı : Througho	ut						
	Staining/L	Discoloring, 1	Extent : Moderate	, Area A	ffected : 25%				
	Location	ı : Througho	ut						
Wood	10%			LIFE	* *	5	\$19,300		

Electrical		Current Repair		Futur	e Replacement	Ma	aintenance			
System Component Type		ail Date Estimate (Years)	d Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Inder 600 Volts										
Service Equipment										
Molded Case Bkrs	100%			2024	\$1,400	5	\$400			
	Other Obser	vation, Extent : Mod	lerate, A	rea Affe	cted : 100%					
	Location:	Electrical Room								
	Explanatio	n : One 400 Amps N	1ain Dis	connect	Switch					
Raceway										
Conduit	100%			2024	\$3,700	1				
Panelboards										
Fused Disc Sw	20%			2023	\$1,500	5	\$100			
Fused Knife Sw	20%	2-4 \$	1,500	2049	* *	5				
	Obsolete Eqi	uipment, Extent : M	oderate,	Area Af	fected : 100%					
	Location:	Throughout								
	On Extended Life, Extent : Severe, Area Affected : 100%									
	Location:	Throughout		==						
Molded Case Bkrs	60%			2023	\$4,400	5	\$300			

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

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

Asset #: 2423

Electrical	Current Repair	Future Replacement	Mai								
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority						
Under 600 Volts											
Wiring											
Braided Cloth	50% 2-4 \$4	.,000 2049 **	1								
	Insulation Aged, Extent : Modera	Insulation Aged, Extent: Moderate, Area Affected: 100%									
	Location: Throughout										
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							
	Other Observation, Extent: Moderate, Area Affected: 100%										
	Location : Throughout										
	Explanation: Using T-12 Lamp	28									
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%										

Mechanical		Current l	Repair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2024	\$35,400	5	\$4,600	
Conversion Equipment								
Steam Boiler	100%	Now	\$70,000	2044	* *	1	\$13,100	
	On Extend	ed Life, Ex	tent : Moderate, A	rea Affec	ted : 100%			
	Location	: 1st Floo	r Boiler Room					
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 100%			
	Location	: 1st Floo	r Boiler Room					
	Explanat	ion : 1 Uni	it					
Distribution								
Steam Piping/Pump	100%			2024	\$100,400	4	\$700	
Terminal Devices								
Convector/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		

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

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

Asset #: 2423

Mechanical		Current Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estimat (Years)	ted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning							
Conversion Equipment							
Window/Wall Unit	10%		2019	\$3,000	1		
No Component	90%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$8,200	
Exhaust Fans							
Wall Unit	20%		2019	\$4,300	2	\$100	
No Component	80%						
Plumbing							
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%						

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

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
Total	\$44,900	\$300	\$12,000	\$900
Importance Code A	\$33,600	\$300	\$11,800	\$700
Importance Code B	\$1,200		\$200	\$200
Importance Code C	\$10,100			
Total	\$44,900	\$300	\$12,000	\$900



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

rchitecture	Current Repair		Future Replacement		Maintenance			
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
terior								
Exterior Walls								
Cast in Place Concrete	20%			LIFE	* *	5	\$6,700	
Masonry: Brick	75%	Now	\$29,700	LIFE	* *	5	\$5,000	
			d, Extent : Severe, A	Area Affe	ected : 50%			
		: Through						
			xtent : Moderate, A	Area Affe	cted : 5%			
		: Men Loc						
		Worn/Eroded, Extent : Severe, Area Affected : 40%						
	Location	: Through	out					
Metal Coiling Doors	5%			2029	* *	5	\$1,100	
Windows								
Aluminum	100%			2040	* *	5	\$900	
Parapets								
Masonry: Brick	45%	Now	\$3,600	LIFE	* *	5	\$300	
		Int Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%						
		: Through						
			Extent : Moderate,	Area Aff	fected : 30%			
		: Through	out					
Masonry: Brick	50%			LIFE	* *	5	\$400	
Metal Panel	5%			2044	* *	5	\$100	
Roof								
Modified Bitumen	100%			2029	* *	10	\$10,900	
terior								
Floors	5. 507				ate ate	_	419 500	
Cast in Place Concrete	75%			LIFE	* *	5	\$12,600	
Vinyl Tile	25%			2029	* *	3	\$1,000	
Interior Walls	F 0/			LIEE	ملد ملد	~	#100	
Concrete Masonry Unit	5%	0.2	#100	LIFE	* *	5	\$100	
Gypsum Board	10%	0-2	\$100	LIFE		5	\$200	
	_	_	Extent : Moderate	, Area Aj	ffectea : 5%			
		: Men Loc						
Masonry: Brick	85%	Now	\$10,100	LIFE	**			
			d, Extent : Modera	te, Area A	Affected : 20%			
	Location	: Through	out					
Ceilings						_		
AcousTileSusp.Lay-In	25%			2037	**	5	\$1,900	
Exposed Concrete	75%			LIFE	* *	5	\$900	

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

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

^{**} 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

Electrical	Current Re	pair Futu	ıre Replacement	Maintenance		
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Raceway						
Conduit	100%	2054	. **	1		
	Recent Installation, Ext	ent : Light, Area Affecte	d: 100%			
	Location: Throughou	t				
Panelboards						
Fused Disc Sw	5%	2049	* *	5		
Molded Case Bkrs	95%	2049	* *	5	\$100	
Wiring					·	
Thermoplastic	100%	2054	. **	1		
Motor Controllers						
Locally Mounted	100%	2044	. **	5		
Ground						
Grounding Devices						
Not Accessible	100%					
Lighting						
Interior Lighting						
Fluorescent	20%	2034	. **	10	\$900	
	T-5 Lamps, Extent: Mo	derate, Area Affected :	100%			
	Location : Garage					
Fluorescent	80%	2034	. **	10	\$3,800	
1 Idoloscont	T-8 Lamps, Extent : Mo			10	Ψ3,000	
	Location: Throughout		100,0			
Egress Lighting	Zacaman i im anginam					
Emergency, Battery	50%	2034	* *	10	\$600	
Exit, Service	50%	2034		10	\$000	
Exterior Lighting	30/0	2034	•	1		
HID	100%	2034	* *	10		
пір	100%	2034		10		

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

Ventilation

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

Mechanical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
/entilation								
Exhaust Fans								
Wall Unit	40%			2029	* *	2	\$100	
No Component	60%							
Plumbing								
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%							

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

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

Page: 110

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 / 549Yr Built/Renovated: 1958 / 2007Area Sq Ft: 14,192Project Type: HIGHWAYS

Date of Survey : 27-Dec-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1

Block : 2186 Lot : 9 BIN : 1081892

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture				
Interior Architecture		\$1,700		
Electrical	\$28,100	\$1,400	\$1,100	\$15,800
Mechanical	\$1,400	\$2,200	\$2,500	\$1,400
Total	\$29,600	\$5,300	\$3,500	\$17,300
Importance Code A	\$2,100	\$700	\$700	\$700
Importance Code B	\$27,400	\$4,600	\$2,800	\$16,600
Importance Code C				
Total	\$29,600	\$5,300	\$3,500	\$17,300



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

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

Asset #: 549

Architecture		Current Repair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls							
Masonry: Brick	97%		LIFE	* *	5	\$38,400	
Pre-Cast Concrete	3%		LIFE	* *	5	\$3,900	
Windows							
Aluminum	50%		2041	* *	5	\$1,500	
Fiberglass Panel	50%		2041	* *	5	\$5,500	
Parapets							
Masonry: Brick	95%		LIFE	* *	5	\$5,200	
Pre-Cast Concrete	5%		LIFE	* *	5	\$1,700	
Roof							
Single Ply Membrane	100%		2033	* *	10	\$19,900	
nterior							
Floors							
Cast in Place Concrete	70%		LIFE	* *	5	\$32,500	
Terrazzo	5%		LIFE	* *	5	\$800	
Vinyl Tile	25%		2030	* *	3	\$2,000	
Interior Walls							
Concrete Masonry Unit	90%		LIFE	* *	5	\$6,800	
Glass: Single Pane	5%		LIFE	* *	5	\$700	
SGFT/Glazed Masonry	5%		LIFE	* *			
Ceilings							
AcousTileSusp.Lay-In	10%		2038	* *	5	\$2,100	
Exposed Struc: Steel	75%		LIFE	* *			
Gypsum Board	15%		LIFE	* *	5	\$4,000	

Electrical		Current Repair		Futur	e Replacement	M	aintenance	
System Component Type		ail Date Estim (Years)	ated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts								
Service Equipment								
Fused Disc Sw	100%	2-4	\$1,400	2055	* *	5		
	•	er Damage, Exte Electrical Roon		Area Af	fected : 100%			
	Other Obser	vation, Extent :	Severe, Area	a Affecte	d: 100%			
	Location:	Basement Elect	rical Room					
	Explanatio Storm	n : One 2500 Ai	nperes Mair	Discon	nect Switch, Water	Damage	ed From Sandy	
Switchgear / Switchboard								
Fused Disc Sw	100%	Now	\$23,900	2055	* *	5		
	Suspect Wat	er Damage, Exte	ent : Severe,	Area Af	fected : 100%			
	Location:	Basement Elect	rical Room					
Raceway								
Conduit	90%			2051	* *	1		
Conduit	10%	Now	\$400	2055	* *	1		
	Corroded, E	xtent : Severe, A	rea Affected	l: 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.

Location: Basement Electrical Room

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

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

Asset #: 549

	Current Repair		Future Replacement		Maintenance		
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
		·			5		
-			Area A <u>j</u>	fected : 5%			
2%			2050	* *	5		
5%			2041	* *	5		
85%			2041	* *	5	\$300	
5%	Now	\$400	2050	* *	5		
-		_	Area Aj	fected : 5%			
90%			2045	* *	1		
10%	Now	\$800	2055	* *	1		
-		_	Area Aj	fected : 10%			
90%			2038	* *	5	\$100	
10%			2045	* *	5		
100%			LIFE	* *	5	\$200	
1000/			2020	de de	10	#12 000	
					10	\$13,000	
			Area Affe	ected : 100%			
	_	_					
Explana	tion : 1-8 L	amps					
500/			2020	* *	10	¢1.700	
						\$1,700	
				* *			
23%			2030		1		
100%			2030	* *	10		
			2025	a ·	_	** - - -	
50%			2030	* *	1	\$2,700	
100			2025			* - - - -	
					1-3	\$8,700	
			Area Affe	ected : 100%			
Explana	tion : Sieme	ens Main Control F	Panel				
	3% Suspect W Location 2% 5% 85% Suspect W Location 90% 10% Suspect W Location 90% 10% 100% 100% 100% 100% 100% 50% 50% 100% 100% 100% 100%	3% Now Suspect Water Dama, Location: Basemen 2% 5% 85% 5% Now Suspect Water Dama, Location: Basemen 90% 10% Now Suspect Water Dama, Location: Basemen 90% 10% 100% 100% 100% 100% 50% 25% 25% 100% 100% 100% 100% 100%	3% Now \$200 Suspect Water Damage, Extent: Severe, Location: Basement Electrical Room 2% 5% 85% 5% Now \$400 Suspect Water Damage, Extent: Severe, Location: Basement 90% 10% Now \$800 Suspect Water Damage, Extent: Severe, Location: Basement 90% 10% Now \$800 Suspect Water Damage, Extent: Severe, Location: Basement 90% 10% 100% 100% 100% 50% 25% 25% 100% 100% Other Observation, Extent: Moderate, A Location: Ist Floor	Now \$200 2050	Now \$200 2050 ** Suspect Water Damage, Extent : Severe, Area Affected : 5% Location : Basement Electrical Room 29% 2041 ** 85% 2041 ** 85% 2041 ** 5% Now \$400 2050 ** Suspect Water Damage, Extent : Severe, Area Affected : 5% Location : Basement Severe, Area Affected : 5% Location : Basement Severe, Area Affected : 5% Location : Basement Severe, Area Affected : 10% Location : Throughout The Building Explanation : T-8 Lamps Location : Throughout The Building Explanation : T-8 Lamps Location : Throughout The Building Explanation : T-8 Lamps Location : Throughout The Building Solon S	Now \$200 2050 ** 5	Now \$200 2050 ** 5

Mechanical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

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

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

Asset #: 549

Mechanical	Current Repair	Future Rep	lacement	Ma	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estin	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source	1000/	2025	* *			
Natural Gas	100%	2035	**	1		
Conversion Equipment	950/	2020	* *	1	\$6,000	
Furnace	85% Other Observation, Extent: Ligh	2030		1	\$6,000	
	Location: Roof	i, Area Ajjeciea . 0570	,			
	Explanation: 6 Roof Top Units	,				
Hot Water Boiler	15%	2045	* *	1	\$1,100	
Hot water Boner	Recent Replace Evident, Extent :			1	\$1,100	
	Location: Basement	Ligiti, Tirea Tijjeetea .	2070			
	Other Observation, Extent: Ligh	t. Area Affected : 15%	, n			
	Location: Basement	., 11. 00. 12,5 00.00 1 10 7 0				
	Explanation : 1 Unit					
Distribution	T					
Hot Wtr Piping/Pump	15%	2041	* *	4	\$200	
No Component	85%					
Terminal Devices						
Convector/Radiator	15%	2038	* *	1	\$700	
No Component	85%					
Air Conditioning						
Energy Source						
Electricity	100%	2041	* *	1		
Conversion Equipment				_		
Ext Pkg Unit -	100%	2030	* *	2	\$900	
Heating/Cooling		A ACC . 1 1000/				
	R-22 Refrigerant, Extent : Light, Location : Roof	Area Affectea : 100%				
	Other Observation, Extent: Ligh	t. Area Affected : 1009	%			
	Location: Roof	., 11. 00. 13,5 00.00 1 1007				
	Explanation : 6 Units					
Ventilation	•					
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$7,900	
Exhaust Fans						
Roof	100%	2030	* *	2	\$400	
Plumbing						
H/C Water Piping	1000/	2017	.aa			
Brass/Copper	100%	2045	* *	1		
Water Heater	1000/	2024	#2.200	2	# 200	
Gas Fired	100%	2024	\$3,200	2	\$200	
Sanitary Piping	1000/	I HDD	* *	1		
Cast Iron	100%	LIFE	Tr. Tr	1		
Storm Drain Piping Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)	10070	LIFE		1		
Rigid Piping	100%	2030	* *	4	\$2,500	
Kigiu i ipilig	10070	2030		-	Ψ2,300	

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

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

Mechanical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Plumbing				
Backflow Preventer				
Generic	100%	2030 **	1 \$900	
Fixtures				
Generic	100%			
Fire Suppression				
Sprinkler				
Generic	100%	2045 **	1-2 \$4,000	

Page: 115

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 / 550Yr Built/Renovated: 1958 / 2007Area Sq Ft: 20,096Project Type: HIGHWAYS

Date of Survey : 27-Dec-2013 Landmark Status : NONE

Areas Surveyed : Basement, Floors 1,2

Block : 2186 Lot : 9 BIN : 1081894

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

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



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

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

Asset #: 550

Architecture		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	* *	5	\$18,500	
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	
Interior								
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	

Electrical	Current Re	pair Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
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	
Lighting						
Interior Lighting						
Fluorescent	90%	2033	* *	10	\$16,600	
	T-8 Lamps, Extent: Mo	derate, Area Affected : 9	0%			
	Location: Throughou	t The Building				
Fluorescent	10%	2033	* *	10	\$1,800	
	T-5 Lamps, Extent: Mo	derate, Area Affected : 1	0%		. ,	
	Location : Shop & Sto	rage				
Egress Lighting						
Emergency, Battery	50%	2033	* *	10	\$2,400	
Exit, LED	50%	2060	* *	1		

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

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

Asset #: 550

Electrical	Curre	nt Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Year	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting							
Exterior Lighting							
HID	100%		2033	* *	10	\$100	
Alarm							
Security System							
No Component	50%						
Generic	50%		2033	* *	1	\$3,800	
Fire/Smoke Detection							
Generic, Digital	100%		2033	* *			

Current Repair	Futur	e Replacement	M	aintenance	
% of Fail Date Estimated C Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
100%	2051	* *	1		
80%	2033	* *	1	\$8,000	
Other Observation, Extent: Light, A Location: Roof	Area Affected	: 80%			
Explanation: 3 Package Units					
20%	2042	* *	1	\$2.000	
Location: 3rd Floor Penthouse	Area Affected	: 20%		. ,	
20%	2047	* *	4	\$200	
80%					
20%	2042	* *	1	\$1,300	
80%					
100%	2047	* *	1		
100%	2033	* *	2	\$1,200	
				, ,	
	Area Affectea	!: 100%			
<u> </u>					
100%	LIFE	* *	2-5	\$11,200	
2.270				÷, -	
100%	2033	* *	2	\$600	
/				+ 300	
100%	2051	* *	1		
	% of Total (Years) 100% 80% Other Observation, Extent: Light, A Location: Roof Explanation: 3 Package Units 20% Other Observation, Extent: Light, A Location: 3rd Floor Penthouse Explanation: 1 Unit 20% 80% 100% 100% R-134a Refrigerant, Extent: Light, Location: 3 Units, Roof	Nof Total Fail Date Estimated Cost FY	Year Estimated Cost Year Estimated Cost Total Years Estimated Cost FY	No of Total Fail Date Estimated Cost Year Estimated Cost Cycle (Yrs)	Note Fail Date Estimated Cost Fail Date Estimated Cost Fail Date Estimated Cost Cycle Cycle Estimated Cost Cycle Cycle

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

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

Mechanical	Current Repair	Future Re	placement	M	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Esti FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
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%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Lig	ht, Area Affected : 100	0%			
	Location: 1-3					
	Explanation: 1 Unit					
Fire Suppression						
Sprinkler						
Generic	100%	2051	* *	1-2	\$5,600	

Page: 119

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$67,500	\$2,200	\$6,800	\$3,800
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
Total	\$67,500	\$2,200	\$6,800	\$3,800



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

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

Architecture		Current l	Repair	Futur	e Replacement	М	aintenance	
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%		\$5,500	2036	**			
		tea Finish, 1 : Two Sto	Extent: Moderate,	Area Afj	tectea : 50%			
			ry Secuon t : Severe, Area Affo	antad . 5	00/			
		ung, Extent 1 : Two Stot		eciea : 50	0%			
Maria			<u>-</u>	2026	* *			
Metal, Corrugated	65%		\$7,800	2036		1		
		/Deniea, Е. 1 : Through	xtent : Moderate, A	rea Ajjec	riea : 15%			
		_	oui Extent : Severe, Ar	oa Affact	tad · 50%			
		ieu 1 inish, 1 : Through		eurijjeci	eu . 5070			
		_	Extent : Severe, Are	a Affecte	ed: 50%			
		ı : Through		ev 1 199 0 0 v 0				
		tion : Paint						
Metal Sect. OHD	10%			2031	* *	5	\$5,300	
1.10001 2000 2112		servation, E	Extent : Severe, Are		ed : 25%		φυ,υσσ	
			l South Facades	55				
	Explana	tion : Defor	rmed Dented					
Wood	5%	Now	\$4,300	2031	* *	5	\$2,100	1
	Broken/M	issing Elen	nents, Extent : Seve	re, Area	Affected : 25%			
	Location	ı : Sectiona	l Door Frames					
	Dry Rot/L	Decay, Exte	nt : Severe, Area Aj	ffected : .	50%			
	Location	ı : Sectiona	l Door Frames					
No Component	0%							
Windows								
Aluminum	100%			2042	* *	5	\$2,300	
Roof	000/			2021	de de			
Metal, Corrugated	80%			2031	**	1	Φ4. 600	
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	10/0			200 F			Ψ2,700	
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	
								

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

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

Asset #: 14715

Architecture	Curr	ent Repair	Future	e Replacement	M	aintenance	
System Component Type	% of Fail I Total (Yea	Pate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior							
Ceilings							
AcousTileSusp.Lay-In	25% Nov	v \$2,900	2039	* *	5	\$1,800	
	Broken/Missing	Elements, Extent : Mod	lerate, Are	ea Affected : 25%			
	Location: One	Story Wing					
	Staining/Discolo	ring, Extent : Severe, A	rea Affec	ted : 100%			
	Location : One	Story Wing					
		xtent : Severe, Area Aff	ected : 50)%			
	Location : One	Story Wing					
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 Repa	ir Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Esti Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2026	\$1,400	5		
	Other Observation, Extent		ected : 100%			
	Location : Electrical Roc	om				
	Explanation: Two 400a	Main Disconnect Swit	tch For Main Offfic	e Buildir	ng	
Transformers						
Dry Type	100%	2024	\$15,400	5		
	Other Observation, Extent	: Moderate, Area Affe	ected : 100%			
	Location: Generator Ro	om				
	Explanation: One 112.5	Kva 480hv-208/120lv	,			
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	

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

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

Asset #: 14715

Electrical	Current Repair	Future	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
tand-by Power						
Generators						
Diesel	100%	2022	\$71,500	1	\$4,200	
	Other Observation, Extent: Modera					
	Location : Generator Room - Mai		-			
	Explanation : One 500 Kw, One 8 Asphalt Plant Only	00 Kw & One	900 Kw. The Thre	e Gener	ators Are For The	
Batteries	inprime i tum orm					
Lead/Acid	100%	2017	\$1,500	5	\$400	
Fuel Storage						
Day Tank	25%	2025	\$200	5	\$500	
	Other Observation, Extent : Modera	ate, Area Affe	cted : 100%			
	Location: Genrator Room					
	Explanation: One 125 Gals					
Main Tank	75%	2029	* *	5	\$200	
	Other Observation, Extent : Modera	ate, Area Affe	cted : 100%		,	
	Location : Outside	. 33				
	Explanation: Three 25,000 Gals					
ighting	•					
Interior Lighting						
Fluorescent	90%	2031	* *	10	\$8,000	
	T-8 Lamps, Extent : Moderate, Area	a Affected : 10	00%			
	Location: Throughout The Buildi	ng				
HID	5%	2021	\$3,800	10		
Incandescent	5%	2021	\$2,500	2		
Egress Lighting			. , , , , , , , , , , , , , , , , , , ,			
Emergency, Battery	50%	2021	\$6,400	10	\$1,200	
Exit, Service	50%	2021	\$1,300	1	, ,	
Exterior Lighting			. ,, , , , , , , , , , , , , , , , , ,			
HID	100%	2021	\$39,800	10		
Alarm			· · · · · · · · · · · · · · · · · · ·			
Security System						
No Component	50%					
Generic	50%	2026	\$16,000	1	\$2,000	

Mechanical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Heating				
Energy Source				
Electricity	20%	2046 **	1	
Natural Gas	80%	2036 * *	1	

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

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

Asset #: 14715

Mechanical	Current Repair	Future Replacemen	nt N	Maintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year Estimated C FY	ost Cycle (Yrs)		Priority
Heating					
Conversion Equipment					
Furnace	60%	2026 \$6,9	000 1	\$2,900	
	Other Observation, Extent : Light, A	rea Affected : 60%			
	Location : Garage				
	Explanation: 3 Units				
Radiant Heater	20%	2031	** 2	\$900	
	Other Observation, Extent: Light, A	rea Affected : 20%			
	Location : 1st Fl.				
	Explanation: 2 Units				
No Component	20%				
	Other Observation, Extent : Light, A Location : Office	rea Affected : 0%			
	Explanation: Heating Is Provided	By A Heat Pump Listed Or	aly Under A	ir Conditioning	
Tomain al Danie	Conversion Equipment				
Terminal Devices Air Handler	20%	2026 \$8,2	00 1	\$1,200	
Fan Coil Unit/Heat	20%	2026 \$8,2		\$1,200 \$600	
No Component	60%	2020 \$22,7	00 1	\$000	
Air Conditioning	0070				
Energy Source					
Electricity	100%	2034	* * 1		
Conversion Equipment	10070	2031	1		
Heat Pump	20%	2024 \$4,6	500 2	\$100	
Tiout I ump	Other Observation, Extent : Moderate		.00 2	Ψ100	
	Location : Office	3,5			
	Explanation: 1 Unit - Provides Bo	th Heating And Cooling			
Split Unit	20%	2026 \$8,7	'00		
Spiit Oilit	Other Observation, Extent : Light, A		00		
	Location: Laboratory	reariffeetea . 2070			
	Explanation: 1 Unit				
No Component	60%				
Terminal Devices	0070				
Air Handler/Cool/Ht	20%	2026 \$3,2	00 1	\$1,200	
Fan Coil - Cool/Heat	20%	2026 \$14,3		\$600	
No Component	60%	2020 ψ1τ,5	1	φοσο	
Heat Rejection	0070				
Remote Air Cond	40%	2026 \$9,0	000 2	\$2,700	
No Component	60%		-	42 , . 30	
Ventilation					
Distribution					
Ductwork/Diffusers	20%	LIFE	* * 2-5	\$1,700	
No Component	80%			•	
Exhaust Fans					
Interior	20%	2026 \$2,1	00 2	\$100	
No Component	80%				
No Component	80%				

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.

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

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

Mechanical	Current R	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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%						

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

Page: 125

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Exterior Architecture	\$38,900			
Interior Architecture	\$20,300			
Electrical	\$4,900	\$300	\$300	\$1,300
Mechanical			\$7,700	
Total	\$64,100	\$300	\$8,000	\$1,300
Importance Code A	\$38,900			
Importance Code B	\$4,900	\$300	\$8,000	\$1,300
Importance Code C	\$20,300			
Total	\$64.100	\$300	\$8,000	\$1,300



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

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

DEPARTMENT OF TRANSPORTATION - 841 JEROME - GUN HILL ROAD GARAGE

Asset #: 14317

Architecture	Current Repair	ent Maintenance				
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estimated (FY	Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior						
Exterior Walls						
Cast in Place Concrete	80% Now \$117, Cracking/Crumbling, Extent: Mod Location: Street Facade Worn/Eroded, Extent: Light, Area Location: Street Facade	derate, Area Affected : 5%	* *	5	\$106,200	
Metal Sect. OHD	5% Now \$8, Other Observation, Extent : Mode Location : Street Facade Explanation : Broken Missing E.		* *	5	\$2,100	
Metal: Cage/Fence	15% Now \$8, Corrosion/Rusting, Extent: Mode Location: Street Facade Deteriorated Finish, Extent: Mod Location: Street Facade		* *	5	\$8,700	
Windows						
Steel	5% Now \$4, Deteriorated Finish, Extent: Mod Location: Ticket Office Glazing Broken/Cracked, Extent: Location: Ticket Office	••	**	5	\$500	
No Component	95%					
Parapets						
Cast in Place Concrete	75% Now \$14, Spalling, Extent: Light, Area Affe Location: Throughout Vertical Cracks, Extent: Light, An Location: Throughout	cted : 15%	**	5	\$24,700	
Metal: Cage/Fence	25% Now \$3, Corrosion/Rusting, Extent: Mode Location: East Facade, South F Deteriorated Finish, Extent: Mod Location: East Facade, South F	acade erate, Area Affected : 50%	* *	5	\$2,600	
Roof						
Cast in Place Concrete	100% Now \$91, Cracking/Crumbling, Extent: Mod Location: Top Ramp Ponding, Extent: Moderate, Area Location: Exterior Ramps Up T Recent Repair Evident, Extent: Li Location: Top Ramp - Expansion	derate, Area Affected : 25% Affected : 25% op ght, Area Affected : 25%	* *			
nterior						

Interior

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

DEPARTMENT OF TRANSPORTATION - 841 JEROME - GUN HILL ROAD GARAGE

Asset #: 14317

Architecture	Current Ro	epair	Futur	e Replacement	Ma	aintenance	
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior							
Floors							
Asphalt Poured	100% Now	\$71,500	2031	* *	5	\$26,800	
	Cracking/Crumbling, I	Extent : Severe, A	rea Affec	eted : 25%			
	Location: Throughout	ut					
	Uneven Surface, Exten	t : Severe, Area A	ffected :	35%			
	Location: Throughout	ut					
Interior Walls							
Cast in Place Concrete	75%		LIFE	* *	10	\$19,200	
	Vertical Cracks, Exten	t : Moderate, Are	a Affecte	d : 15%			
	Location: Throughout	ut					
Concrete Masonry Unit	23%		LIFE	* *	5	\$1,900	
Glass: Single Pane	2%		LIFE	* *	5	\$300	
Ceilings							
Exposed Concrete	100%		LIFE	* *	5-10	\$133,800	
	Recent Repair Evident	, Extent : Light, A	rea Affec	cted : 100%			
	Location: New Pain	ted Surface					

Electrical	Current Repair		Futur	Future Replacement		Maintenance	
System Component Type	% of Total	Fail Date Estimated (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Molded Case Bkrs	100%		2026	\$2,500	5	\$2,100	
	Other Obse	ervation, Extent : Mode	erate, Area Affe	cted : 100%			
	Location	: Electrical Room					
	Explanati	ion : 1200 Amps					
Switchgear / Switchboard							
Molded Case Bkrs	100%		2026	\$47,700	5	\$2,100	
Raceway							
Conduit	100%		2026	\$9,100	1		
Panelboards							
Molded Case Bkrs	100%		2025	\$29,200	5	\$2,100	
Wiring							
Braided Cloth	10%	2-4 \$2	,000 2051	* *	1		
	Insulation 1	Aged, Extent : Modera	te, Area Affecte	ed: 100%			
	Location	: Throughout The Buil	ding				
Thermoplastic	90%		2026	\$18,000	1		
Ground				·			
Grounding Devices							
Not Accessible	100%						
Lighting							
Interior Lighting							
HID	100%		2021	\$557,400	10	\$2,300	
Exterior Lighting							
HID	100%		2021	\$289,900	10	\$200	
Δlarm							

Alarm

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

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

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

DEPARTMENT OF TRANSPORTATION - 841 JEROME - GUN HILL ROAD GARAGE

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

Mechanical		Current R	epair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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%							

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

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

Page: 129

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

Asset Name : JEROME 190TH ST. GARAGE : JEROME AVE. & 190TH ST. Address

Borough Agency's Number : BRONX : N/A

Program / Asset # : DOT0120.000 / 175 Yr Built/Renovated : 1961 / 2007 Area Sq Ft : 149,514 **Project Type** : HIGHWAYS **Date of Survey** : NONE

: 09-Jan-2013 **Landmark Status**

Areas Surveyed : Roof, Floors 1,3,5,7

Block : 3189 BIN : 2014125 Lot

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$108,600	\$15,600	\$91,400	\$15,900
Importance Code A	\$27,000		\$7,600	
Importance Code B	\$44,000	\$15,600	\$83,900	\$15,900
Importance Code C	\$37,500			
	' /			



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

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

Asset #: 175

Architecture	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls Cast in Place Concrete			\$42,400 Extent : Light, Are out	LIFE ea Affecte	* * ed : 10%	5	\$77,100	
Masonry: Brick	20% Cracking/	0-2	\$90,800 Extent : Light, Are	LIFE ea Affecte	* * ed : 10%	5	\$61,600	
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	Location Thermally	ted Finish, 1 : Stairs	\$105,600 Extent : Moderate, , Extent : Moderate			5	\$12,900	
No Component	95%							
Parapets	7570							
Cast in Place Concrete			\$2,300 Extent : Light, Are out	LIFE ea Affecte	** ed : 5%	5	\$19,300	
Masonry: Brick	10%			LIFE	* *	5	\$500	
Metal Panel	45%			2034	* *	5	\$8,100	
Metal Rail	5%			2029	* *	5-10	\$4,200	
Roof Asphalt Macadam	Location Water Pen	ı : Through	xtent : Light, Area			5	\$23,900	
nterior								
Floors								
Asphalt Macadam	_		\$19,900 Extent : Light, Are out	2037 ea Affecte	* * ed : 10%	5	\$5,000	
Cast in Place Concrete	_		\$179,300 Extent : Light, Are out	LIFE ea Affecte	* * ed : 10%	5	\$386,200	
Vinyl Tile	_	0-2 Crumbling, 1 : Through	\$10,000 Extent : Severe, A out	2024 rea Affec	\$33,300 sted : 40%	3	\$1,500	

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

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

Asset #: 175

System Component Type Total (Years) System Component Type Therior Interior Interior Walls Cast in Place Concrete Cracking/Crumbling, Extent: Moderate, Area Affected: 20% Location: Throughout PunctTear/Impact Damage, Extent: Light, Area Affected: 10% Location: Throughout Spalling, Extent: Moderate, Area Affected: 10% Location: Throughout Concrete Masonry Unit 25% 0-2 \$22,100 LIFE ** 5 \$88,200 Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout Masonry: Brick 15% 0-2 \$46,600 LIFE ** Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout SGFT/Glazed Masonry 10% 0-2 \$15,400 LIFE ** Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout SGFT/Glazed Masonry 10% 0-2 \$15,400 LIFE ** Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout SGFT/Glazed Masonry 10% 0-2 \$15,400 LIFE ** Cracking/Crumbling, Extent: Light, Area Affected: 10%	
Interior Walls Cast in Place Concrete 50% 0-2 \$503,800 LIFE ** Cracking/Crumbling, Extent: Moderate, Area Affected: 20% Location: Throughout Punct/Tear/Impact Damage, Extent: Light, Area Affected: 10% Location: Throughout Spalling, Extent: Moderate, Area Affected: 10% Location: Throughout Concrete Masonry Unit 25% 0-2 \$22,100 LIFE ** 5 \$8,20 Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout Masonry: Brick 15% 0-2 \$46,600 LIFE ** Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout SGFT/Glazed Masonry 10% 0-2 \$15,400 LIFE **	t Priority
Cracking/Crumbling, Extent: Moderate, Area Affected: 20% Location: Throughout Punct/Tear/Impact Damage, Extent: Light, Area Affected: 10% Location: Throughout Spalling, Extent: Moderate, Area Affected: 10% Location: Throughout Concrete Masonry Unit 25% 0-2 \$22,100 LIFE ** 5 \$8,20 Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout Masonry: Brick 15% 0-2 \$46,600 LIFE ** Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout SGFT/Glazed Masonry 10% 0-2 \$15,400 LIFE **	
Concrete Masonry Unit 25%	
Cracking/Crumbling, Extent: Light, Area Affected: 10% Location: Throughout SGFT/Glazed Masonry 10% 0-2 \$15,400 LIFE **	1
Location: Throughout	
Ceilings	
Exposed Concrete 95% Now \$149,700 LIFE ** 5 \$29,80 Cracking/Crumbling, Extent: Moderate, Area Affected: 10% Location: Level 1	1
Recent Repair Evident, Extent : Light, Area Affected : 10% Location : Throughout Water Penetration, Extent : Moderate, Area Affected : 5%	
Location : Level 6 Gypsum Board 5% LIFE * * 5 \$12,50	1

Electrical	Current Repair	Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2024	\$4,700	5	\$600	
	Other Observation, Extent:	Moderate, Area Affe	cted : 100%			
	Location : Next To Main O	ffice				
	Explanation : One Electric	al Service Rated At (600 Amps			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2024	\$71,600	5	\$3,900	
Raceway						
Conduit	50%	2024	\$7,300	1		
Conduit	50%	2044	* *	1		
Panelboards						
Molded Case Bkrs	50%	2040	* *	5	\$2,000	
Molded Case Bkrs	50%	2023	\$21,900	5	\$2,000	
Wiring						
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.

Asset #: 175

Electrical	Curre	Current Repair Future Repla		Replacement	olacement Main		
System Component Type	% of Fail D Total (Yea	Pate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground							
Grounding Devices							
Not Accessible	100%						
Lighting							
Interior Lighting							
Fluorescent	5%		2019	\$34,200	10	\$6,100	
	Other Observation, Extent: Moderate, Area Affected: 100%						
	Location : Offic	ce Area					
	Explanation : T	-12 Lamps					
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% Nov	v \$75,600	2034	* *	1-3	\$4,200	
	Not in Service, E.	xtent : Severe, Area Afj	fected : 10	00%			
	Location : Offic	ce Room					

Mechanical		Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	
	Malfunctioning, Extent: Moderate, Area Affected: 50%							
	Location	: 2 Of 4 B	Exhaust Fans With I	Electrica	l Defect			
No Component	95%							
Dlumbing	7370							

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.

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

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

Mechanical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estim Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
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%					
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Geared Traction	100%	LIFE	* *			
	Other Observation, Extent:	Light, Area Affected	: 100%			
	Location: 1-7					
	Explanation: 2 Units					

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$126,800	\$5,600	\$6,800	\$6,300
Importance Code A	\$35,900	\$500	\$800	\$500
Importance Code B	\$74,800	\$5,000	\$6,000	\$5,800
Importance Code C	\$16,100			
Total	\$126,800	\$5,600	\$6,800	\$6,300



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

Architecture		Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls								
Exposed Struc: Steel	5%		\$167,800	LIFE	* *	5	\$5,700	1
			xtent : Severe, Ared	a Affecte	d : 100%			
	Location	ı : Through	out Metal Stairs					
Masonry: Brick	95%	Now	\$102,800	LIFE	* *	5	\$34,900	
	Cracking/	Crumbling	Extent : Light, Are	ea Affecto	ed : 10%			
	Location	ı : Through	out					
Windows								
Aluminum	100%	Now	\$14,700	2042	* *	5	\$1,800	
			ct, Extent : Light, A	rea Affe	cted : 10%			
	Location	ı : Through	out					
Roof								
Metal Panel	100%		\$20,400	2039	* *			
		_	xtent : Light, Area	Affected	: 10%			
		ı : Through						
			ent : Moderate, Are	a Affecte	ed : 50%			
	Location	ı : Through	out					
terior								
Floors						_	* * 0 * 0 0	
Cast in Place Concrete	75%			LIFE	* *	5	\$68,200	
Ceramic Tile	5%			2035	**	5	\$1,000	
Vinyl Tile	20%		\$700	2031	**	3	\$1,600	
	_	_	Extent: Light, Are	ea Affect	ed : 10%			
	Location	ı: Through	out					
Interior Walls						_		
Concrete Masonry Unit				LIFE	* *	5	\$25,800	
Masonry: Brick	25%			LIFE	* *	10	\$3,200	
Ceilings	2004			LIEE	ماد ماد	10	Φ	
Exposed Struc: Steel	20%			LIFE	* *	10	\$6,600	
Gypsum Board	80%			LIFE	* *	5-10	\$45,100	

ectrical		Current I	Repair	Futur	e Replacement	Ma	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
der 600 Volts								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Fused Disc Sw	100%			2036	* *	5	\$100	
Raceway								
Conduit	100%			2036	* *	1		
Panelboards								
Fused Disc Sw	5%			2034	* *	5		
Molded Case Bkrs	95%			2034	* *	5	\$300	
Wiring								
Thermoplastic	100%			2036	* *	1		

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

^{**} 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

Electrical		Current R	epair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2031	* *	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			

Mechanical	Curren	t Repair	Futur	e Replacement	Maintenance		
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Electricity	20%		2046	* *	1		
Natural Gas	80%		2046	* *	1		
Conversion Equipment							
Hot Water Boiler	80%		2039	* *	1	\$5,500	
	Boiler Used For Ho	ot Water, Extent : Lig	ht, Area	Affected: 80%			
	Location : Boiler	Room					
Radiant Heater	20%		2031	* *	2	\$1,300	
Distribution							
Hot Wtr Piping/Pump	80%		2042	* *	4	\$800	
No Component	20%						
Terminal Devices							
Convector/Radiator	10%		2039	* *	1	\$500	
Unit Heater-Stm/HW	70%		2031	* *	4	\$900	
No Component	20%						
Air Conditioning							
Energy Source							
Electricity	100%		2042	* *	1		

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Mechanical	Current Repair Future Replacemen		acement	ent Maintenance		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estim	nated 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	100-1	•0.4.4	de de			
Brass/Copper	100%	2046	* *	1		
Water Heater	2004	2024				
Electric	20%	2024	\$400	4		
No Component	80%	1 100				
	Other Observation, Extent: Ligh	t, Area Affected : 0%				
	Location:	•				
G B	Explanation : Not Energy Effica	ent				
Sanitary Piping	1000/	LIPP	* *			
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)	1000/	2021	* *	4	φ1 c00	
Rigid Piping	100%	2031	* * *	4	\$1,600	
Backflow Preventer	1000/	2021	* *		# 000	
Generic	100%	2031	* *	1	\$900	
Fixtures	1000/					
Generic	100%					
Vertical Transport Elevators						
	100%	LIFE	* *			
Hydraulic	Other Observation, Extent : Ligh					
	Location: 1-3	i, Area Ajjeciea . 1007	o			
	Explanation: 1 Unit					
Fire Suppression	Елрипиноп . 1 Опн					
Sprinkler						
Generic	100%	2046	* *	1-2	\$3,900	
Generic	100/0	2070		1-2	ψ5,700	

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

Page: 138

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
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
Total	\$2,358,400	\$4,098,700
Importance Code A	\$1,142,900	\$1,114,600
Importance Code B	\$1,149,400	\$2,984,100
Importance Code C	\$66,200	
Total	\$2,358,400	\$4,098,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$56,100	\$108,100	\$30,800	\$21,600
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				
Total	\$56,100	\$108,100	\$30,800	\$21,600



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 169

Architecture	Current Repair		Futur	e Replacement	М	aintenance		
System Component Type	% of Fail D Total (Year	ate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
xterior								
Exterior Walls					_			
Cast in Place Concrete	5%		LIFE	* *	5	\$43,900		
Concrete Masonry Unit	60%	Φ 2. Ε0.000	LIFE	* *	5	\$65,900		
Masonry: Brick	25% Now	1		**	5	\$43,900		
	Location : Thro	Erod, Extent : Moder	ate, Area A	Ајјестеа : 25%				
M. ICT D		иднош	2020	* *		Φ74.000		
Metal Coiling Doors	10%		2028	* *	5	\$54,900		
Windows Steel	100% Now Corrosion/Rustin Location : Thro	g, Extent : Light, Are		**	5	\$147,500		
	Location: Thro	Cracked, Extent : Mod ughout ient, Extent : Modera						
	Location: Thro	ughout						
Parapets								
Metal: Cage/Fence	Location: Thro	g, Extent : Moderate, ughout ish, Extent : Moderat	Area Affe		5	\$7,500		
No Component	75%							
Roof	1370							
Modified Bitumen	Location: South	Moderate, Area Affec h Side n, Extent : Moderate,	cted : 20%	\$813,400 cted : 10%				
terior								
Floors Cast in Place Concrete	75% Now Cracking/Crumbl Location : Shop	ing, Extent : Modera		* * fected : 25%	5	\$246,300		
Ceramic Tile	5%		2032	* *	5	\$7,500		
Vinyl Tile	20% Now	\$249,300		* *	3	\$11,300		
	Broken/Missing E Location : Seco Cracking/Crumbl Location : Seco Other Observation	Elements, Extent : Mo nd Floor Corridor Ai ing, Extent : Modera nd Floor Corridor Ai n, Extent : Moderate nd Floor Corridors A	oderate, Ar nd Offices te, Area Aj nd Offices , Area Affe	fected : 30% cted : 100%		. ,		

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

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

Asset #: 169

Architecture		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Concrete Masonry Unit	75%			LIFE	* *	5	\$18,300	
Concrete Masonry Unit	5%	Now	\$66,200	LIFE	* *	5	\$1,200	
	Broken/M	issing Elem	ents, Extent : Seve	re, Area	Affected : 30%			
	Location	ı : Wall Adj	acent To Ramp At	58th Pla	ce Entrance			
	Punct/Tea	r/Impact D	amage, Extent : Se	vere, Are	ea Affected : 30%			
	Location	ı : Wall Adj	acent To Ramp At	58th Pla	ce Entrance			
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	

lectrical	Current Repair	Future	Future Replacement		Maintenance	
vstem Component Type	% of Fail Date Estimated Co Total (Years)	ost Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Fused Disc Sw	25%	2023	\$1,200	5	\$100	
	Other Observation, Extent: Modera Location: Electrical Room 3	. 55	ted : 100%			
F1D' C	Explanation: No Ratings Availabl		¢1 200		¢100	
Fused Disc Sw	25%	2023	\$1,200	5	\$100	
	Other Observation, Extent : Modera Location : Electrical Room 2	ite, Area Affeci	tea : 100%			
	Explanation : Service Switch Rate	d @ 600 Ampe	eres			
Fused Disc Sw	50%	2023	\$2,400	5	\$200	
	Other Observation, Extent : Modera Location : Electrical Room I	te, Area Affect	ted : 100%			
	Explanation : Service Switch Rated	d @ 3000 Amp	peres			
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	

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

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

Asset #: 169

Electrical	Current	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts							
Wiring							
Braided Cloth	30% 2-4	\$9,600	2048	* *	1		
		tent : Moderate, Are	a Affecte	d : 100%			
		hout The Building					
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	
ighting							
Interior Lighting							
Fluorescent	98%		2031	* *	10	\$90,100	
		Extent : Moderate, A	Area Affe	cted : 100%			
	Location : Throug	_					
	Explanation: T-8	Lamps					
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	
Marm							
Security System							
No Component	70%						
Generic	30%		2031	* *	1	\$12,500	
	Other Observation,	Extent : Moderate, A	Area Affe	cted : 100%			
	Location: Corrid	ors					
	Explanation: CC	TV Surveillance Can	ieras				
Fire/Smoke Detection							
No Component	70%						
Generic	30%		2031	* *	1-3	\$20,700	
	Other Observation,	Extent : Moderate, A	Area Affe	cted : 100%			
	Location: 1st Flo	or					
	Explanation: Fire	e Alarm Control Pan	el And Al	larm Bells			

Mechanical	Curre	nt Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Year	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Natural Gas	20%		2033	* *	1		
Interruptible Gas/Dual	80%		2033	* *	1		
Fuel							

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

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

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

Asset #: 169

Mechanical	Current Repair	Future Replacement	Maintenance			
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority		
Heating						
Conversion Equipment						
Furnace	20%	2023 \$23,900	1 \$9,900			
	Other Observation, Extent: Light,	Area Affectea : 20%				
	Location : Roof Explanation : 2 Roof Top Packas	ra Unite				
Steam Boiler	80% Now \$38,	<u> </u>	1 \$71.500			
Steam Boner	Malfunctioning, Extent: Severe, A		1 \$71,500			
	Location: Control Panel	rea Ajjeciea . 1070				
	Other Observation, Extent: Light,	Area Affected : 80%				
	Location: 1st Floor Boiler Roon					
	Explanation: 2 Units					
Distribution	•					
Steam Piping/Pump	80%	2023 \$547,100	4 \$4,000			
No Component	20%					
Terminal Devices						
Air Handler	40% Now \$211,2		1 \$22,300			
	Not in Service, Extent : Severe, Ar	ea Affected : 30%				
	Location: Roof	A A CC . 1 400/				
	Other Observation, Extent: Severe Location: Roof	e, Area Affected : 40%				
	Explanation: 12 Damaged And (Corraded Old Units				
Convector/Radiator	10%	2028 **	1 \$3,200			
Fan Coil Unit/Heat	30% Now \$44,0	2026	1 \$3,200			
Tan Con Omoricat	Broken, Extent : Moderate, Area A		1 φο,700			
	Location: Fan Motors In Units I					
No Component	20%	1 0				
Air Conditioning	20,0					
Energy Source						
Electricity	100%	2031 **	1			
Conversion Equipment						
Ext Pkg Unit -	20%	2023 \$129,200	2 \$1,200			
Heating/Cooling						
	Other Observation, Extent: Light, Area Affected: 20%					
	Location: Roof	II				
XX.' 1 AX. 11 T.'.	Explanation: 2 Roof Top Packas		1			
Window/Wall Unit	10%	2018 \$20,100	1			
No Component Ventilation	70%					
Distribution						
Ductwork/Diffusers	100% Now \$16,9	900 LIFE **	2-5 \$55,900			
2 det offic 2 fit about	Damaged, Extent : Moderate, Area		= 5			
	Location : Auto Repair Shop	•				
	Needs Cleaning, Extent: Moderate	e, Area Affected : 100%				
	Location : Throughout					

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

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

Mechanical	Current	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation							
Exhaust Fans							
Roof	100% Now	\$7,800	2023	\$77,900	2	\$2,500	
	Not in Service, Exter	nt : Severe, Area Aff	ected : 1	5%			
	Location : Roof						
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	

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

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

\$34,500	\$7,100	\$35,900
\$12,100	\$7,100	\$28,200
\$22,400		\$7,600
\$34,500	\$7,100	\$35,900
\$4,900	\$4,900	\$4,900
	\$500	\$3,500
\$1,400	\$1,400	\$20,100
\$5,800	\$300	
\$22,400		\$7,300
FY 2018	FY 2019	FY 2020
	FY 2018	FY 2018 FY 2019



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

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

DEPARTMENT OF TRANSPORTATION - 841 QUEENS FAMILY COURT GARAGE

Asset #: 14320

Architecture		Current R	epair	Future Replacement		М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	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	
Parapets								
Cast in Place Concrete	20%			LIFE	* *	5	\$4,100	
Masonry: Brick	10%			LIFE	* *	5	\$200	
Metal: Cage/Fence	70%			2038	* *	5-10	\$10,800	
Roof								
Cast in Place Concrete	95%	Now	\$27,200	LIFE	* *			
	_	Crumbling, I n : Througho	Extent : Moderate ut	, Area Aj	ffected : 15%			
Single Ply Membrane	5%		***	2030	* *	10	\$2,100	
Interior								
Floors								
Asphalt Macadam	23%			2038	* *	5	\$11,600	
Cast in Place Concrete	75%	Now	\$153,500	LIFE	* *	5	\$165,300	
	Cracking/	Crumbling, I	Extent : Moderate	, Area Aj	ffected : 25%			
	Location	ı : Througho	ut					
Vinyl Tile	2%			2025	\$16,700	3	\$800	
Interior Walls					· /		· · · · · · · · · · · · · · · · · · ·	
Cast in Place Concrete	25%			LIFE	* *			
Concrete Masonry Unit	75%			LIFE	* *	5	\$2,900	
Ceilings							. ,	
Exposed Struc: Steel	100%			LIFE	* *			

Electrical	ectrical Current Repair		cement	M		
ystem Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estima	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2045	* *	5	\$300	
	Other Observation, Extent : Moderate	e, Area Affected : 1	00%			
	Location: Electrical Room					
	Explanation : Main Service Switch I	Rated @ 800 Ampe	res			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2045	* *	5	\$1,900	
Raceway						
Conduit	100%	2045	* *	1		

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

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

DEPARTMENT OF TRANSPORTATION - 841 QUEENS FAMILY COURT GARAGE

Asset #: 14320

Electrical	Curi	ent Repair	Futur	Future Replacement Maintenance				
System Component Type	% of Fail l Total (Yes	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
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	-		2025		4.0	** ** -		
Fluorescent	5%		2030	**	10	\$3,100		
	•	nt : Moderate, Area Aff	ected : I	00%				
	Location : Offi	ce						
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		
		Other Observation, Extent : Moderate, Area Affected : 100%						
		Location : Inside And Outside						
	Explanation:	16 CCTV Surveillance	Cameras	1				
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%		2030	* *				
		on, Extent : Moderate, A	Area Affe	ected : 100%				
		ctrical Room Only						
	Explanation : ,	Smoke Detector						

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

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

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

DEPARTMENT OF TRANSPORTATION - 841 QUEENS FAMILY COURT GARAGE

Asset #: 14320

Mechanical	Current Repair	Future Re	placement	M	aintenance	
System Component	% of Fail Date Estima Total (Years)	ted Cost Year Esti	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Type						
Heating Distribution						
Distribution Ductwork/Diffusers	3%	LIFE	* *	2-5		
No Component	97%	LIFE		2-3		
Terminal Devices	91%					
Fan Coil Unit/Heat	3%	2025		1		
No Component	97%	2023		1		
Air Conditioning	3170					
Energy Source						
Electricity	100%	2033	* *	1		
Conversion Equipment	100%	2033		1		
Heat Pump	3%	2023	\$100	2	\$100	
Heat Fullip	R-22 Refrigerant, Extent : Lig		\$100	2	\$100	
	Location : Office	nı, Area Ajjeciea . 570				
	Other Observation, Extent : L	ight Arna Affactad , 20/	,			
	Location : Office	igni, Area Ajjeciea . 570	,			
	==	dina Dath Haatina and	Caalina Ean (office On	1	
XX. 1 (XX. 11 XX. 1.	Explanation: 1 Unit - Provi				ıy	
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%					
lumbing						
H/C Water Piping	20/	2025	* *	1		
Brass/Copper	3%	2035	* *	1		
No Component	97%					
Water Heater	7 0.	2020	Φ			
Electric	5%	2020	\$500	4		
No Component	95%					
Sanitary Piping	7 0.		ماد ماد			
Cast Iron	5%	LIFE	* *	1		
No Component	95%					
Storm Drain Piping	1000/		de de			
Cast Iron	100%	LIFE	* *	1		
Backflow Preventer	100-1					
Not Accessible	100%					
Fixtures	1000:					
Generic	100%					
ertical Transport						
Elevators	1000/	* ****				
Hydraulic	100%	LIFE	**			
	Other Observation, Extent : L	ight, Area Affected : 100	J%			
	Location : G-6					
	Explanation: 1 Unit					
ire Suppression						
Standpipe	1000/	2025	ala at-	1.7	* 400	
Generic	100%	2035	* *	1-5	\$400	

Maintenance \$ are aggregated over a ten-year 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 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$67,900	\$61,100	\$80,500	\$70,600
Importance Code A	\$16,200	\$500	\$16,200	\$30,500
Importance Code B	\$51,700	\$60,600	\$64,300	\$40,100
Importance Code C				
Total	\$67,900	\$61,100	\$80,500	\$70,600



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Architecture		Current F	Repair	Future Replacement		M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	7%			LIFE	* *	5	\$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	* *			
Interior								
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	

lectrical	Current	Repair	Future Replacement		Maintenance			
ystem Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
nder 600 Volts								
Service Equipment								
Fused Disc Sw	100%		2053	* *	5	\$1,000		
	Other Observation,	Extent : Moderate, A	rea Affe	cted : 100%				
	Location: Electric	cal Room						
	Explanation: One	2 1200 Amps Main Di	isconnec	t Switch				
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			

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Electrical	Current Repair	Future Rep	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Esti FY	mated Cost	Cycle (Yrs)	Estimated Cost	Priority	
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		
	Other Observation, Extent : Mode	rate, Area Affected .	: 100%				
	Location: Office, Staircase, Med	chanical Rm. & Elec	ctrical Rm.				
	Explanation: T-8 Lamps						
HID	90%	2033	* *	10	\$5,900		
Egress Lighting							
Emergency, Battery	50%	2033	* *	10	\$24,300		
	Other Observation, Extent : Mode	rate, Area Affected .	: 100%				
	Location : Electrical Room						
	Explanation : Emergency Batter	y Power Supplies - I	Lighting & El	evators			
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	* * *				, -,		
	700/						
No Component	70%						

Mechanical	Current Rep	Current Repair Future Replaceme		M		
System Component Type	% of Fail Date Es Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Electricity	100%	2053	* *	1		
Conversion Equipment						
Heat Pump	40%	2027	* *	2	\$25,000	
Radiant Heater	60%	2031	* *	2	\$56,100	
	Other Observation, Exten	nt : Light, Area Affected	: 60%			
	Location : Garage Offi	ce And Rest Rooms				
	Explanation : Electric	Base Board And Unit He	eaters			
Air Conditioning						
Energy Source						
Electricity	100%	2045	* *	1		
Conversion Equipment						
Heat Pump	40%	2027	* *	2	\$4,900	
No Component	60%					

Maintenance \$ are aggregated over a ten-year period. Site 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	Current Repa	ir Futur	Future Replacement Maintenance		aintenance		
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Air Conditioning							
Terminal Devices	400-4						
Fan Coil - Cooling	100%	2031	**	1	\$65,200		
	Other Observation, Exten	-					
	Location : Garage Offic		ent Koom				
Heat Dejection	Explanation : Split Unit	Evaporators					
Heat Rejection Remote Air Cond	60%	2031	* *	2	\$84,300		
Remote An Cond	Other Observation, Exten			2	\$04,500		
	Location : Garage Offic	-					
	Explanation : Split Unit	= =					
No Component	40%						
Ventilation	1070						
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	400-4						
Cast Iron	100%	LIFE	* *	1			
Storm Drain Piping	1000/	LIDE	* *				
Cast Iron	100%	LIFE	* *	1			
Backflow Preventer	100%	2033	* *	1	\$12,400		
Generic	100%	2033		1	\$12,400		
Fixtures Generic	100%						
Vertical Transport	10070						
Elevators							
Hydraulic	100%	LIFE	* *				
11) 0100110	Other Observation, Exten		: 100%				
	Location : Northeast Co						
	Explanation: 2 Units						
Fire Suppression	•						
Standpipe							
Generic	100%	2053	* *	1-5	\$105,500		

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

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Exterior Architecture	\$37,800	
Interior Architecture	\$104,300	\$35,700
Electrical	\$47,200	\$52,700
Total	\$189,200	\$88,400
Importance Code A	\$37,800	
Importance Code B	\$151,500	\$88,400
Total	\$189.200	\$88.400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$48,300	\$3,500	\$1,900	\$29,600
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			
Total	\$48,300	\$3,500	\$1,900	\$29,600



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 SIGN SHOP

Asset #: 14717

Architecture	C	Current Repair		Futur	e Replacement	t Maintenance		
System Component Type		nil Date Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls	1.007		A < 100	* ****	de al	_	4000	
Concrete Masonry Unit		_	\$6,100 Extent : Light, Are out	LIFE ea Affecte	* * ed : 10%	5	\$900	
Masonry: Brick		_	\$37,800 Extent : Light, Are	LIFE ea Affecte	* * ed : 10%	5	\$12,800	
Metal Sect. OHD	5%			2038	* *	5	\$2,400	
Windows Aluminum	100% Recent Repai Location : T		t, Extent : Light, A	2050 rea Affec	* * cted : 100%	5	\$2,000	
Parapets								
Cast Stone/Terra Cotta Masonry: Brick	10% 90%			LIFE LIFE	* *	5	\$1,200 \$1,400	
Roof Not Accessible	100%							
Interior Floors								
Cast in Place Concrete		_	\$33,100 Extent : Light, Are	LIFE ea Affecte	* * ed : 10%	5	\$35,700	
Quarry Tile	1%			2038	* *	5	\$300	
Vinyl Tile		_	\$600 Extent : Light, Are out	2030 ea Affecte	* * ed : 10%	3	\$300	
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Concrete Masonry Unit		_	\$7,200 Extent : Light, Are out	LIFE ea Affecte	* * ed : 10%	5	\$2,700	
Ceilings	4			•••		_		
AcousTileSusp.Lay-In	1% Recent Repla Location : T		nt, Extent : Light, . out	2045 Area Affe	* * ected : 100%	5	\$200	
Exposed Struc: Wood			\$104,300 tent : Light, Area out	LIFE Affected	* *			

Electrical		Current R	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of F Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

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

Asset #: 14717

Electrical	Current Re	oair Fu	ture Replacement	M		
System Component Type	% of Fail Date E Total (Years)	stimated Cost Yea		Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Molded Case Bkrs	100%	203		5	\$300	
	Other Observation, Exte	ent : Moderate, Area A	ffected : 100%			
	Location : Office					
	Explanation: 100 Am	ps				
Switchgear / Switchboard	1000/	202	5 **	_	¢200	
Molded Case Bkrs	100%	203	5 **	5	\$300	
Raceway	1000/	202	5 **			
Conduit	100%	203	5 **	1		
Panelboards	1000/	202	3 **	_	¢200	
Molded Case Bkrs	100%	203	3 **	5	\$300	
Wiring	1000/	203	5 **	1		
Thermoplastic Motor Controllers	100%	203	3	1		
Locally Mounted	100%	203	Q **	5	\$100	
Ground	100%	203	0	3	\$100	
Grounding Devices						
Grounding Devices Generic	100%	LIF	F **	5	\$200	
Generic	Other Observation, Exte			3	Ψ200	
	Location : Water Mair		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Explanation : Water M	1ain				
Lighting						
Interior Lighting						
Fluorescent	90%	202	5 \$52,700	10	\$9,500	
	T-12 Lamps, Extent : M	oderate, Area Affected				
	Location: Throughou	t				
Fluorescent	10%	203	0 **	10	\$1,100	
	T-8 Lamps, Extent : Mo				. ,	
	Location : Office					
Egress Lighting						
Exit, Service	50%	202	5 \$1,500	1		
Exit, Battery	50%	202		10	\$400	
Exterior Lighting						
HID	100%	202	0 \$47,200	10		
Alarm			·			
Security System						
No Component	80%					
Generic	20%	203	0 **	1	\$1,000	
Fire/Smoke Detection						·
No Component	80%					
Generic, Analog	20%	202	0 \$25,900			

Mechanical	С	Current R	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type		ail Date Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

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

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

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

DEPARTMENT OF TRANSPORTATION - 841 STATEN ISLAND SIGN SHOP

Asset #: 14717

Mechanical		Current Repair		re Replacement	М	aintenance	
System Component Type	% of Total	Fail Date Estimat (Years)	ed Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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							
Convector/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%						

^{**} 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 : 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Interior Architecture	\$44,000	\$44,000
Total	\$44,000	\$44,000
Importance Code B	\$44,000	\$44,000
Total	\$44,000	\$44,000

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



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

rchitecture		Current I	Repair	Futur	e Replacement	М	aintenance	
vstem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
terior								
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	* *			
			iss, Extent : Modero fice At West Side	ate, Area	Affected : 20%			
Not Accessible	25%							
erior								
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	
		netration, E n : Ofice At	xtent : Moderate, A West Side	rea Affe	cted : 10%			

Electrical	Current Repair	Future Replacem	ent	M		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2046	* *	5	\$100	
	Other Observation, Extent: Moderate,	Area Affected : 100%				
	Location : Electrical Room					
	Explanation : Main Service Switch Ra	ted @ 400 Amperes				
Switchgear / Switchboard						
Molded Case Bkrs	100%	2046	* *	5	\$700	

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

Electrical	Curren	Current Repair Future Replaceme			ent Maintenance			
System Component	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Type Under 600 Volts								
Raceway								
Conduit	100%		2046	* *	1			
Panelboards	10070							
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	30%		2039	* *				
Drive								
Grounding Davises								
Grounding Devices Generic	100%		LIFE	* *	5	\$700		
Generic		Extent : Moderate.			3	Ψ/00		
	Other Observation, Extent : Moderate, Area Affected : 100% Location : Water Main							
	Explanation : Cor	nnected With Main W	ater Pip	e				
Lighting	•							
Interior Lighting								
Fluorescent	90%		2031	* *	10	\$18,500		
	-	: Moderate, Area Aff ghout The Building	ected : 10	90%				
Fluorescent	10%		2031	* *	10	\$2,100		
	Compact Fluoresce Location : Offices	ent Light, Extent : Mo s	oderate, A	Area Affected : 100	0%			
Egress Lighting								
Emergency, Battery	50%		2031	* *	10	\$2,700		
Exit, LED	50%		2054	* *	1			
Exterior Lighting								
HID	100%		2031	* *	10	\$100		
Alarm								
Security System	700/							
No Component Generic	70% 30%		2031	* *	1	\$2,800		
Generic		Extent · Moderate		cted · 100%	1	\$2,800		
	Other Observation, Extent : Moderate, Area Affected : 100% Location : Outside And Garage							
		CTV Surveillance C	ameras					
Fire/Smoke Detection	,		****					
Generic, Digital	100%		2031	* *				
-	Other Observation,	Extent : Moderate, A	Area Affe	cted : 100%				
	Location : Throug	ghout The Building						
	Explanation : Stro Stations	obe Lights, Manual F	Pull Statio	ons, Horns, Alarm	Bells And	d Manual Pull		

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

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	С	urrent Rep	air	Future Replacement			Maintenance		
System Component Type	% of Fa		stimated Cost		Estimated (Estimated Cost	Priority
Heating									
Energy Source	1000/			20.52		* *			
Natural Gas	100%			2052		* *	1		
Conversion Equipment Hot Water Boiler	100% Other Observ Location: 1 Explanation	st Floor Bo	nt : Light, Area oiler Room	2039 Affected	: 100%	* *	1	\$11,100	
Distribution	1								
Hot Wtr Piping/Pump			\$5,500 Severe, Area Ą	2048 ffected : 2	20%	* *	4	\$1,100	
Terminal Devices									
Air Handler			\$3,500 Severe, Area Aff anch Area	2031 fected : 5	%	* *	1	\$7,500	
Not Accessible	Location:		nt : Light, Area er Heating Tubo			In The	e Shop		
Air Conditioning									
Energy Source Electricity	100%			2048		* *	1		
Conversion Equipment Int Pkg Unit - Heating/Cooling	20%			2027		* *	2	\$300	
ricumg cooming	R-134a Refrig Location : C		ent : Light, Arec	a Affectea	l : 20%				
No Component	80%								
Ventilation Distribution									
Ductwork/Diffusers	100%			LIFE		* *	2-5	\$19,800	
Exhaust Fans Interior	100%			2031		* *	2	\$700	
Plumbing	10070			2031		-		φ/00	
H/C Water Piping Brass/Copper	100%			2046		* *	1		
Water Heater Gas Fired	100%			2024	\$5,	100	2	\$300	
Sanitary Piping Cast Iron	100%			LIFE		* *	1		
Storm Drain Piping Cast Iron	100%			LIFE		* *	1		
Fixtures Generic	100%								
Vertical Transport									

Vertical Transport

Maintenance \$ are aggregated over a ten-year period. Site 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 Repl	acement	Ma	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estim	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent: Light, A	Area Affected : 100%	ó			
	Location: 1-2					
	Explanation: 1 Unit					
Fire Suppression						
Standpipe						
Generic	100%	2052	* *	1-5	\$11,300	
Sprinkler			•			
Generic	100%	2046	* *	1-2	\$6,300	

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$85,800	\$10,900	\$52,000	\$28,000
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			
Total	\$85,800	\$10,900	\$52,000	\$28,000



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2847

System Component Type Exterior Walls	Total 70%	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior Walls						(118)		
Concrete Masonry Unit	1.50/			LIFE	* *	5	\$31,900	
Metal Panel	15%			2044	* *	5-10	\$75,200	
Metal Coiling Doors	10%	0-2	\$20,200	2037	* *	5	\$11,400	
		ssing Elem : Through	ents, Extent : Light out	t, Area A	ffected : 10%			
Pre-Cast Concrete	5%			LIFE	* *	5	\$11,800	
Windows								
Fiberglass Panel	85%			2040	* *	5	\$31,200	
		etration, E. : Over Ma	xtent : Moderate, A in Shop	Area Affe	cted : 5%			
Glass Block	5%			LIFE	* *	5	\$300	
Metal Louvers	10%			2033	* *	10	\$6,100	
Parapets								
Concrete Masonry Unit	20%			LIFE	* *	5	\$900	
Masonry: Brick	25%	Now	\$5,500 l, Extent : Moderat	LIFE	* *	5	\$1,000	
И	Veepholes		asning , Extent : Moderato Face Of East Parap		Affected : 20%			
Metal Security Bars	5%			2052	* *			
Pre-Cast Concrete	50%			LIFE	* *	5	\$12,200	
Roof								
	_	0-2 Crumbling, : Through	\$4,600 Extent : Light, Are out	2029 ea Affecte	* * ed : 10%			
Metal Panel	65%	Now	\$85,000	2037	* *			
	Broken/Missing Elements, Extent: Moderate, Area Affected: 5% Location: Fascia At North Side							
		0	ings, Extent : Mode nit Penetrations	erate, Ar	ea Affected : 5%			
	Vegetation : North West Corner Location : North West Corner							
И	Vater Pen		xtent : Moderate, A	Area Affe	cted : 5%			
nterior								
Floors Cost in Place Concrete	0.50/			LIDE	* *	5	¢115 000	
Cast in Place Concrete Ceramic Tile	85% 3%			LIFE 2033	* *	5 5	\$115,800 \$1,900	
Vinyl Tile	12%			2033	* *	3	\$1,900	

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

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

Asset #: 2847

Architecture		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nterior								
Interior Walls								
Concrete Masonry Unit	70%	0-2	\$19,200	LIFE	* *	5	\$7,100	
	U	Crumbling, : Through	Extent : Light, Are out	a Affecte	ed : 10%			
Glass: Single Pane	5%	Now	\$700	LIFE	* *	5	\$900	
, and the second	O	oken/Crac : Conferei	ked, Extent : Mode 1ce Room	rate, Are	ea Affected : 5%			
Gypsum Board	10%	0-2	\$500	LIFE	* *	5	\$1,500	
••	_	Crumbling, : Through	Extent : Light, Are out	a Affecto	ed : 5%			
SGFT/Glazed Masonry	15%	0-2	\$7,200	LIFE	* *			
·	_	Crumbling, : Through	Extent : Light, Are	a Affecte	ed : 10%			
Ceilings								
Exposed Struc: Steel	95%			LIFE	* *			
Gypsum Board	5%	0-2	\$1,500	LIFE	* *	5	\$3,900	
•	_	Crumbling, : Through	Extent : Light, Are out	a Affecte	ed : 10%			

Electrical	Current Repair	Future Repla	acement	M	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	* *	5	\$200	
	Other Observation, Extent:	Moderate, Area Affected: 1	100%			
	Location : Electrical Room	n				
	Explanation : Main Servic	e Protector Rated @ 2500 A	Amps			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2044	* *	5	\$1,200	
Raceway						
Conduit	100%	2044	* *	1		
Panelboards						
Molded Case Bkrs	100%	2040	* *	5	\$1,200	
Wiring						
Thermoplastic	100%	2044	* *	1		
Motor Controllers						
Locally Mounted	100%	2037	* *	5	\$300	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$700	
	Other Observation, Extent:	Moderate, Area Affected : I	100%			
	Location : Water Meter Re	oom				
	Explanation: Connected T	To Main Water Pipe				

Lighting

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

 $\label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2847

Electrical	Current Repair		e Replacement	Maintenance		
System Component Type	% of Fail Date Es Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	10%	2029	* *	10	\$3,800	
	Other Observation, Exter	nt : Moderate, Area Affe	ected : 100%			
	Location : Office					
	Explanation: T-8 Lam	ps				
HID	90%	2029	* *	10	\$1,200	
Egress Lighting						
Emergency, Battery	50%	2024	\$27,400	10	\$5,000	
Emergency, Battery	50%	2024	\$27,400	10	\$5,000	
Exterior Lighting						
HID	100%	2024	\$171,100	10	\$100	
Alarm						
Security System						
No Component	85%					
Generic	15%	2029	* *	1	\$2,600	
Fire/Smoke Detection						
No Component	85%					
Generic	15%	2029	* *	1-3	\$4,400	

Mechanical	Current Repair	Future l	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Electricity	25%	2044	* *	1		
Natural Gas	75%	2044	* *	1		
Conversion Equipment						
Furnace	50%	2029	* *	1	\$10,300	
	Other Observation, Extent : Light, A Location : Roof Explanation : 5 Units - Included I		100%			
Radiant Heater	25%	2029	* *	2	\$4,800	
	Other Observation, Extent: Light, A Location: Offices, 1st Floor Explanation: 15 Units	Area Affected : .	100%			
No Component	25%					
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		

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

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

Asset #: 2847

Mechanical	Current	Repair	Futur	e Replacement	Maintenance		
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning Conversion Equipment Ext Pkg Unit - Heating/Cooling	100% Now	\$13,400	2029	**	2	\$2,000	
Troumg Cooling	Malfunctioning, Ext Location: Contro R-22 Refrigerant, E. Location: A C Un Other Observation, Location: Roof	l System xtent : Light, Area A its Extent : Light, Area	ffected :	100%			
m : 15 :	Explanation: 5 Un	nits					
Terminal Devices Air Handler/Cool/Ht	5% Now Malfunctioning, Ext Location: Control	\$400 ent : Moderate, Ared l System. Penthouse	2024 a Affected	\$8,600 1:10%	1	\$1,200	
No Component	95%						
Heat Rejection Air Condenser Unit	5%		2029	* *	2	\$1,500	
No Component	95%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$23,200	
Exhaust Fans							
Interior	90%		2029	* *	2	\$1,100	
Roof	10%		2029	* *	2	\$100	
Plumbing							
H/C Water Piping Galv Iron/Steel	100%		2041	* *	1		
Water Heater							
Electric	30%		2022	\$1,900	4	\$100	
Gas Fired	70%		2022	\$6,600	2	\$400	
	Other Observation, Location : Mechan Explanation : One	nical Room, 2nd Flo		: 100%			
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping Cast Iron	100%		LIFE	* *	1		
Backflow Preventer Generic	100%		2032	* *	1	\$2,600	
Fixtures Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%		LIFE	* *			
-							
	Other Observation, Location: 1-2	Extent : Light, Area	Affected	: 100%			

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

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

Asset #: 2847

Mechanical	Curren	t Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
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
Total	\$55,700	\$10,600	\$25,500	\$4,900
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		
Total	\$55,700	\$10,600	\$25,500	\$4,900



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

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

Asset #: 13606

Architecture	Current Repair		Futur	Future Replacement		aintenance	
System Component Type	% of Fail Date Total (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	
	Jnt Mortar Miss/Erod		e, Area A	Affected : 40%			
	Location: Throughout the Location		4.00	1 50/			
	Misaligned/Bulging, I			d : 5%			
	Location : Over Doc	or At West Facade					
Metal Panel	10%		2044	* *	5-10	\$29,800	
Metal Coiling Doors	10% Now	\$24,100	2037	* *	5	\$6,800	
	Other Observation, E.		a Affecte	d : 10%			
	Location : At Entrar						
	Explanation : Metal	Coiling Door Is C	Constantly	Being Repaired			
Pre-Cast Concrete	5%		LIFE	* *	5	\$7,100	
Parapets							
Cast in Place Concrete	30% 2-4	\$1,700	LIFE	* *	5	\$14,300	
	Other Observation, E.						
	Location : Under Se			est Corner			
	Explanation : Missi	ng Through Wall F	lashing				
Masonry: Brick	60% Now	\$7,800	LIFE	* *	5	\$2,800	
	Efflorescence, Extent	: Moderate, Area	Affected .	10%			
	Location : Interior I	Face					
	Jnt Mortar Miss/Erod	_	rea Affec	ted : 10%			
	Location : Interior I	Face At Flashing					
Metal Security Bars	10%		2052	* *			
Roof							
Built-Up (BUR)	35% Now	\$5,500	2029	* *			
	Water Penetration, Ex	xtent : Light, Area	Affected	: 5%			
	Location : Through	out					
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	

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

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

Asset #: 13606

Electrical	Current Repair	Future R	eplacement	M		
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year Es	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	**	5	\$200	
	Other Observation, Extent : Moderate	e, Area Affectea	! : 100%			
	Location: Electrical Room	D 11 600 1	1 1 100			
9 1 1 (9 1 1 1	Explanation : (2) Service Protector	Rated At 600 A	mps And 400 A	Amps		
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	100-	-0.4.4				
Thermoplastic	100%	2044	* *	1		
Motor Controllers	1000/	2025	ata ata	_	\$200	
Locally Mounted	100%	2037	* *	5	\$200	
Ground						
Grounding Devices Generic	100%	LIFE	* *	5	\$500	
Generic	Other Observation, Extent : Moderate Location : Main Water Room			3	\$300	
	Explanation: Connected To Main W	ater Pipe				
Lighting						
Interior Lighting						
Fluorescent	25%	2029	* *	10	\$7,600	
	Other Observation, Extent: Moderate Location: Offices	e, Area Affectea	! : 100%			
IIID	Explanation: T-8 Lamps	2020	* *	1.0	Φ000	
HID	75%	2029	* *	10	\$800	
Egress Lighting Exit, Service	50%	2029	* *	1		
Exit, Battery	50%	2029	* *	1 10	\$1,100	
Exterior Lighting	3070	2027		10	ψ1,100	
HID	100%	2024	\$135,900	10	\$100	
Alarm						
Security System	0.504					
No Component	85%	2050			** * * * -	
Generic	15%	2029	* *	1	\$2,100	
Fire/Smoke Detection	0.50/					
No Component	85%	2020	داد داد	1.2	#2.500	
Generic	15%	2029	* *	1-3	\$3,500	

Mechanical	Cur	rent	Repair	Futu	re Replacement	M	aintenance	
System Component Type		Date ars)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

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

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

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

Asset #: 13606

Mechanical	Cur	Current Repair		e Replacement	М		
System Component Type		Date Estimated Cost ears)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Electricity	30%		2050	* *	1		
Natural Gas	70%		2050	* *	1		
Conversion Equipment	00-1			de de		*1* 100	
Furnace	80%		2029	**	1	\$13,100	
		ion, Extent : Light, Area		: 100%			
		of - Included In A C Sys	stem				
_	Explanation:	3 Units				44 400	
Furnace	10%	·	2029	**	1	\$1,600	
		ion, Extent : Light, Area	ı Affected	: 100%			
		The Garage Area					
		4 Independent Units					
Radiant Heater	10%		2029	**	2	\$1,500	
		ion, Extent : Light, Area		: 100%			
		fices On The First Floor					
A: G 1:::	Explanation:	12 Units					
Air Conditioning							
Energy Source Electricity	100%		2046	* *	1		
Conversion Equipment	10070		2040		1		
Ext Pkg Unit -	30% No	w \$6,400	2029	* *	2	\$500	
Heating/Cooling	30/0 140	γυ, 4 00	2029		2	Ψ300	
Treating/Cooming	Malfunctioning	, Extent : Moderate, Are	a Affected	1: 100%			
	Location : Co			, ,			
		nt, Extent : Moderate, A	rea Affect	ed : 100%			
		C Units On Roof					
No Component	70%	J					
Terminal Devices	7070						
Air Handler/Cool/Ht	10% No	w \$200	2029	* *	1	\$1,800	
All Handiel/Cool/Ht		, Extent : Moderate, Are		1 · 10%	1	φ1,000	
	Location : Co		a rijjeeree	. 10/0			
No Component	90%						
Heat Rejection	9070						
Air Condenser Unit	10%		2029	* *	2	\$2,300	
No Component	90%		2029		2	\$2,300	
Ventilation Ventilation	7070						
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$18,400	
Exhaust Fans						, ,	
Interior	70%		2029	* *	2	\$700	
Roof	30%		2029	* *	2	\$300	
Plumbing						, - 3 -	
H/C Water Piping							
Brass/Copper	100%		2050	* *	1		
Water Heater							
Gas Fired	100%		2022	\$7,500	2	\$500	
•							

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

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

Asset #: 13606

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

^{**} 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

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

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



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

^{**} 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	Current Repair			Maintenance		
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments Bridge Seat&pedestals Concrete	100% 4+ Cracks, Extent : Lig Location : Randon		LIFE 10%	* *			
Backwall Concrete	100% Cracks, Extent : Lig Location : Randon Rust Stains, Extent : Location : Randon	n Light, Area Affecte		**			
Brngs,Ancr Blts,Pads Steel Steel	50% 50% 2-4 Corrosion, Extent : S Location : Randon		LIFE LIFE ed: 40%	* *			
Footings Not Accessible	100%						
Joint with Deck Generic Generic	70% 30% 2-4 Leakage, Extent : M Location : Randon Other Observation, A	\imath					
	Location: Randon						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Pedestals Concrete Stom (broastwall)	100%		LIFE	* *			
Stem (breastwall) Concrete Concrete	80% 20% 4+ Cracks, Extent : Sev Location : Randon		LIFE LIFE 30%	**			
	Efflorescence, Exten Location : Randon Spalling, Extent : Mo Location : Randon	nt : Moderate, Area . n oderate, Area Affect					
	Other Observation, L Location : Randon Explanation : Hon	i	Affected .	: 10%			
Vingwalls Footings Not Accessible	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			

Maintenance \$ are aggregated over a ten-year period. Site 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			Futur	e Replacement	Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit	
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%		\$800	2032	* *	4	\$3,600		
			t, Area Affected : 1	0%					
		ı : Random							
			ht, Area Affected :	10%					
	Location	ı : Random							
Curbs									
Concrete w/ Steel Face	50%			LIFE	* *				
Concrete w/ Steel Face	50%			LIFE	* *				
			Extent : Light, Area	Affected	: 100%				
		ı : Through							
	Explana	tion : Unde	er Construction						
Pavement Base									
Not Accessible	100%								
Sidewalks									
Concrete	95%			LIFE	* *				
Concrete	5%		\$600	LIFE	* *				
			lerate, Area Affecte	d:20%					
		ı : Random							
			Aoderate, Area Affe	ected : 20	0%				
	Location	ı : Random							
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									
II. 1 O	100%								
Under Construction	100/0								
Railings/Parapets Under Construction	100%								

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

^{**} 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 Replacer	nent	М		
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	l Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements						
Sidewalks						
Concrete	50%	2028	* *	5	\$2,400	
Concrete	50%	2028	* *	5	\$2,400	
	Other Observation, Extent : Light, Area	Affected: 100%				
	Location: Throughout					
	Explanation: Under Construction					
Wearing Surface	0004	2022	de de	_	фо. 2 00	
Concrete	80%	2032	**	5	\$8,200	
Concrete	20% 4+ \$4,300	2032	* *	5	\$4,100	
	Cracks, Extent: Light, Area Affected: Location: Random	10%				
uperstructure						
Deck,Structural						
Concrete	70%	LIFE	* *	5	\$5,100	
Concrete	30% 4+ \$22,600	LIFE	* *	5	\$5,100	
	Cracks, Extent : Moderate, Area Affecto Location : Random	ed : 20%				
	Efflorescence, Extent : Moderate, Area Location : Random	Affected : 20%				
	Spalling, Extent : Moderate, Area Affec Location : Random	ted : 20%				
	Other Observation, Extent : Moderate, Location : Random	Area Affected : 15%				
	Explanation: Honeycombing					
Primary Member						
Steel	80%	LIFE	* *	2-8	\$85,400	
Steel	20% 4+ \$449,300	LIFE	* *	2-8	\$85,400	
	Corrosion, Extent : Moderate, Area Aff Location : Random	ected : 20%				
	Loss of Section, Extent : Light, Area Afj Location : Random	fected : 5%				
	Other Observation, Extent : Moderate, Location : Random	Area Affected : 15%				
	Explanation : Paint Peeling					
Secondary Member	Expansion . 1 unit i cents					
Steel	90%	LIFE	* *	2-8	\$71,500	
Steel	10% 4+ \$1,500	LIFE	* *	2-8	\$71,500	
5.001	Corrosion, Extent : Light, Area Affected			20	Ψ/1,500	
	Location : Random					
	Other Observation, Extent : Light, Area	Affected: 10%				
	Location : Random					
	Explanation : Paint Peeling					

Maintenance \$ are aggregated over a ten-year 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$75,500		\$39,600	\$5,900
Total	\$75,500		\$39,600	\$5,900
Importance Code A	\$8,200		\$23,400	\$1,600
Importance Code B	\$20,700		\$16,200	
Importance Code C	\$46,700			\$4,300
Total	\$75,500		\$39,600	\$5,900



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 Rep	pair F	uture Rep	lacement	M	aintenance			
System Component Type	% of Fail Date E Total (Years)		ear Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority		
butments									
Bridge Seat&pedestals									
Concrete	95%		FE	* *					
Concrete	5% 4+	·	FE	* *					
	Cracks, Extent : Light, A Location : Random	Area Affected : 10%							
Backwall	Bottion : Random								
Concrete	90%	LI	[FE	* *					
Concrete	10% 4+		[FE	* *					
	Cracks, Extent : Light, A								
	Location: Random								
	Rust Stains, Extent : Lig	ht, Area Affected : 1	0%						
	Location : Random	30							
Brngs,Ancr Blts,Pads									
Not Accessible	100%								
Footings									
Not Accessible	100%								
Joint with Deck									
Generic	100% 4+		FE	* *					
	Broken/Missing Elements, Extent: Moderate, Area Affected: 15%								
	Location: Random								
	Recent Replace Evident, Extent: Light, Area Affected: 75%								
	Location: South End								
	Other Observation, Extent: Light, Area Affected: 10%								
	Location : End Approach On The Sidewalk Explanation : Sidewalk Slabs Are Not At The Same Elevations On Either Side Of The Joint.								
	Joint Popped Out.	x Stabs Are Not At 1	ne Same El	evations On	t Either S	iae Of The Joint.			
Mat (scour & erosion)	voini i opped oui.								
Earth	100%	LI	FE	* *					
Stem (breastwall)									
Concrete	75%	LI	FE	* *					
Concrete	25% 4+	\$429,600 LI	FE	* *					
	Cracks, Extent : Severe, Area Affected : 30%								
	Location: Random								
	Efflorescence, Extent : Moderate, Area Affected : 20%								
	Location: Random								
	Other Observation, Extent : Light, Area Affected : 10%								
	Location: Random								
	Explanation : Honeyco	ombing							
Vingwalls									
Footings									
Mot A acceptable	100%								
Not Accessible									
Mat (scour & erosion)									
Mat (scour & erosion) Earth	100%	LI	IFE	* *					
Mat (scour & erosion)	100%	Ll	IFE	* *					

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Vingwalls									
Walls									
Concrete	100%			LIFE	* *				
Masonry	95%			LIFE	* *				
Masonry	5%	4+	\$5,800	LIFE	* *				
			t, Area Affected : I	0%					
		: Random		1 00	1 100/				
			nt, Extent : Light, A	rea Affec	cted : 10%				
	Location	: Random							
Approaches									
Pavement	000/			2024	¢125 100	4	¢2 400		
Asphalt	90%	4.	¢200	2024	\$135,100	4	\$2,400		
Asphalt	10%	4+	\$300 at, Area Affected : I	2024	\$15,000	4	\$2,400		
		: Random		0%					
_		: Kanaom							
Concrete	90%			2032	* *	4	\$6,200		
Concrete	10%	4+	\$3,100	2032	* *	4	\$6,200		
	Cracks, Extent: Light, Area Affected: 5%								
	Location : Random Spalling, Extent : Light, Area Affected : 5%								
		extent : Lig : Random		5%					
Curbs									
Concrete w/ Steel Face	50%			LIFE	* *				
Concrete w/ Steel Face	50%	4+	\$7,900	LIFE	* *				
	Rust Stains, Extent : Severe, Area Affected : 50%								
	Location: Random								
	Settlement	, Extent : S	Severe, Area Affecte	ed : 50%					
	Location: Random								
	Vegetation Growth, Extent: Light, Area Affected: 10%								
	Location	: Random							
Guide Railing	<u> </u>								
Concrete	100%			2032	* *	4	\$1,400		
Pavement Base									
Not Accessible	100%								
Sidewalks									
Concrete	80%			LIFE	* *				
Concrete	20%	4+	\$8,400	LIFE	* *				
	Cracks, Extent: Light, Area Affected: 10%								
	Location: Random								
	Settlement, Extent: Light, Area Affected: 8%								
	Location	: West Ap	proach, Both Sides						

Piers

Maintenance \$ are aggregated over a ten-year period. Site 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			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers								
Pier,Columns								
Concrete	100%		\$54,700	LIFE	* *			
			t, Area Affected : 1	0%				
	Location	n : Random						
Steel	90%			LIFE	* *	2-8	\$64,100	
Steel	10%	4+	\$4,700	LIFE	* *	2-8	\$64,100	
	Corrosion	ı, Extent : L	ight, Area Affected	: 10%				
	Location	n : Random						
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	* *			
			ents, Extent : Light	t, Area A	ffected : 5%			
		n : Random						
			Extent : Light, Area	ı Affecte	d : 15%			
		n : North Si						
			Light, Area Affected	d: 10%				
	Location	n : Random						
Railings/Parapets								
Concrete	100%			2032	* *	4	\$1,900	
Sidewalks								
Concrete	100%			2028	* *	5		
Wearing Surface								
Concrete	90%			2032	* *	5	\$41,500	
Concrete	10%		\$6,200	2032	* *	5	\$20,700	
	Cracks, Extent: Moderate, Area Affected: 20%							
	Location	n : Random						
Superstructure								
Deck,Structural								
Concrete	60%			LIFE	* *	5	\$13,000	
Concrete	40%		\$331,800	LIFE	* *	5	\$13,000	
	Cracks, Extent : Moderate, Area Affected : 20%							
	Location: Random							
	Delaminations, Extent : Moderate, Area Affected : 20%							
	Location: Random							
			: Moderate, Area	Affected	: 20%			
	Location	n : Random						

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure							
Primary Member							
Steel	60%		LIFE	* *	2-8	\$218,100	
Steel	40% 4+	\$4,979,000	LIFE	* *	2-8	\$218,100	
	Corrosion, Extent : N	Aoderate, Area Affe	ected : 20	0%			
	Location: Random						
	Loss of Section, Exter	nt : Severe, Area Aj	ffected : 3	30%			
	Location: Random						
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$182,700	

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$96,100		\$8,700	\$4,200
Total	\$96,100		\$8,700	\$4,200
Importance Code A	\$9,200		\$5,600	
Importance Code B	\$51,000		\$3,200	
Importance Code C	\$35,900			\$4,200
Total	\$96,100		\$8,700	\$4,200



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

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

Asset #: 2936

Bridge Structure	Current Repair	Future Replacer	lacement Maintenance							
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	l Cost	Cycle (Yrs)	Estimated Cost	Priority				
Abutments										
Bridge Seat&pedestals										
Not Accessible	100%									
	Other Observation, Extent : Light, Area	Affected: 0%								
	Location:									
	Explanation : Underneath Bridge Und	ler Construction								
Backwall										
Not Accessible	100%									
	Other Observation, Extent : Light, Area	Affected : 0%								
	Location:									
	Explanation : Underneath Bridge Und	ler Construction								
Brngs,Ancr Blts,Pads										
Not Accessible	100%									
	Other Observation, Extent : Light, Area Affected : 0%									
	Location:									
	Explanation : Underneath Bridge Und	ler Construction								
Footings	100-1									
Not Accessible	100%									
Joint with Deck										
Generic	80%	LIFE	* *							
Generic	20% 4+ \$9,000	LIFE	* *							
	Leakage, Extent: Severe, Area Affected	: 40%								
	Location : At Begin Abutment									
Mat (scour & erosion)	1000/	LIPE	* *							
Earth	100%	LIFE	* *							
Stem (breastwall)	1000/									
Not Accessible	100%	ACC4-1-00/								
	Other Observation, Extent : Light, Area Location :	Ajjeciea : 0%								
	Explanation: Underneath Bridge Und	lar Construction								
Wingwalls	Explanation . Underneum Bridge Und	ier Construction								
Footings										
Not Accessible	100%									
Mat (scour & erosion)	100/0									
Earth	100%	LIFE	* *							
Piles	10070									
Not Accessible	100%									
Walls										
Not Accessible	100%									
	Other Observation, Extent : Light, Area	Affected: 0%								
	Location:	00								
	Explanation : Underneath Bridge Und	ler Construction								
Approaches	1									

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

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

Asset #: 2936

Bridge Structure		Current Repair			e Replacement	Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches									
Pavement					****		4		
Asphalt	80%		Φ 5 7 00	2024	\$114,100	4	\$2,300		
Asphalt	20%		\$5,700	2024	\$28,500	4	\$2,300		
		_	t, Area Affected : 1 At East Approach	0%					
			At East Approach Extent : Light, Area	Affortad	. 100/				
		servation, L 1 : At East 1	· ·	Ајјестеи	. 10/0				
		t . At East 1 tion : Rave							
Comprete	80%		ung	2032	* *	1	\$6,200		
Concrete Concrete	20%		\$6,200	2032	* *	4 4	\$6,200		
Concrete			\$0,200 ere, Area Affected :			4	\$0,200		
			At West Approach	3370					
			oderate, Area Affect	ted : 20%	,				
			int At West Approa						
Curbs									
Concrete w/ Steel Face	100%	4+	\$3,900	LIFE	* *				
	Rust Stair	s, Extent :	Severe, Area Affeci						
	Location	ı : Random							
	Settlemen	t, Extent : S	Severe, Area Affecte	ed: 50%					
	Location	ı : Near Jo	ints At Both Approd	iches					
Pavement Base									
Not Accessible	100%								
Sidewalks									
Concrete	70%		40.00	LIFE	* *				
Concrete	30%		\$8,300	LIFE	* *				
		xtent : Moa 1 : Random	lerate, Area Affecte	ed: 20%					
			Moderate, Area Affe	4 . 4 . 20	10/				
		ı, Extent : N 1 : At East 1		eciea : 50	170				
Piers	Locuitor	i . Hi Lasi I	трргоисп						
Cap Beam									
Steel	90%			LIFE	* *	2-8	\$64,100		
			Extent : Severe, Are	a Affecte	d : 50%		, - ,		
	Location	n : West Pie	er e						
	Explana	tion : Pain	t System Failure						
Steel	10%	4+	\$4,300	LIFE	* *	2-8	\$64,100		
	Rust Stair	s, Extent:	Light, Area Affecte	d: 10%					
	Location	ı : Random							
Pier,Columns									
Steel	90%			LIFE	* *	2-8	\$45,600		
			Extent : Severe, Are	a Affecte	d : 50%				
	Location: West Pier								
			t System Failure						
Steel	10%		\$8,300	LIFE	* *	2-8	\$45,600		
			Light, Area Affecte	d: 10%					
	Location	ı : Random							

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

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

Asset #: 2936

Bridge Structure	Current Repair			Futur	e Replacement	Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Piers									
Stem,Solid Pier									
Concrete	75%			LIFE	* *				
Concrete	25%	4+	\$33,700	LIFE	* *				
			lerate, Area Affecte	d : 20%					
	Location: Random								
			ent, Extent : Moder	ate, Area	Affected: 20%				
		ı : Random		1 200	,				
			derate, Area Affec	ted: 20%					
	Locatioi	ı : Random							
Brngs, Ancr Blts, Pads	1.000/								
Not Accessible	100%								
Footings	1.000/								
Not Accessible	100%								
Mat (scour & erosion)	100%			LIDE	* *				
Earth D. J. March	100%			LIFE	* *				
Pedestals Not Accessible	100%								
Not Accessible	Other Observation, Extent : Light, Area Affected : 0%								
	Location:								
			rneath Bridge Und	ler Const	ruction				
Deck Elements	Влриана	non . Onac	mean Brage On	er consi	ruction				
Curbs									
Concrete w/ Steel Face	95%			LIFE	* *				
Concrete w/ Steel Face	5%	4+	\$900	LIFE	* *				
	Rust Stair	s, Extent : .	Severe, Area Affec	ed : 50%	ó				
	Location	ı : Random							
	Settlemen	t, Extent : L	ight, Area Affected	!: 10%					
	Location	ı : Random							
Sidewalks									
Under Construction	100%								
Wearing Surface									
Concrete	75%			2026	\$234,900	5	\$21,000		
Concrete	25%	4+	\$15,700	2026	\$78,300	5	\$10,500		
		xtent : Ligh 1 : Random	t, Area Affected : I	0%					
	Old Repair, Extent : Light, Area Affected : 10% Location : 4 Ft X 8 Ft Patch With Steel Plate On Eastern Side								
	Spalling,		ht, Area Affected :						
Superstructure									

Superstructure

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

Asset #: 2936

Bridge Structure	ge Structure			Futur	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
uperstructure Deck,Structural									
Concrete	50%			LIFE	* *	5	\$7,200		
Concrete	50%	2-4	\$444,900	LIFE	* *	5	\$7,200		
			erate, Area Affecte	d: 20%					
	Location: Random								
	Delaminations, Extent : Moderate, Area Affected : 20% Location : Random								
	Efflorescence, Extent : Moderate, Area Affected : 20%								
	Location: Random								
	Spalling, E	Extent : Mo	derate, Area Affeci	ed : 20%	ó				
			With Exposed Rein						
Primary Member									
Concrete Encased Steel	60%			LIFE	* *	5	\$32,800		
Concrete Encased Steel	40%	4+	\$53,600	LIFE	* *	5	\$32,800		
		xtent : Ligh : Random	t, Area Affected : 1	0%					
	Corrosion, Extent: Moderate, Area Affected: 20%								
	Location : Bottom Flange Of Fascia Girder Delaminations, Extent : Moderate, Area Affected : 20% Location : Random								
	Spalling, Extent : Light, Area Affected : 10% Location : Random								
Secondary Member									
Concrete	75%			LIFE	* *	5	\$127,000		
Concrete	25%	4+	\$51,600	LIFE	* *	5	\$127,000		
	Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
	Location: Random								
	Spalling, Extent : Moderate, Area Affected : 20%								
	Location	: Random							

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

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

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



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

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

Asset #: 2937

Bridge Structure	Current F	Future Re	placement	Maintenance						
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Abutments										
Bridge Seat&pedestals										
Not Accessible	100%									
	Other Observation, E	xtent : Light, Area	Affected: 0%	6						
	Location:	1 5 11 17								
D 1 11	Explanation : Unde	rneath Bridge Und	ler Constructi	on						
Backwall	1000/									
Not Accessible	100%	Sutant Light Ango	Affacts 1.00	/						
	Other Observation, Extent : Light, Area Affected : 0%									
	Location : Explanation : Underneath Bridge Under Construction									
Brngs,Ancr Blts,Pads	Explanation . Unae	rneain Briage Ond	ier Constructi	on						
Not Accessible	100%									
Not Accession	Other Observation, E	xtent · Lioht Area	Affected · 0%	6						
	Location:	atem : Eigni, med	Tijjeetea . o							
	Explanation : Unde	rneath Bridge Una	ler Constructi	ion						
Footings										
Not Accessible	100%									
Joint with Deck										
Generic	80%		LIFE	* *						
Generic	20% 4+	\$9,000	LIFE	* *						
	Misaligned/Bulging,	Extent : Light, Are	a Affected : 1	0%						
	Location : At West A	Abutment								
Mat (scour & erosion)										
Earth	100%		LIFE	* *						
Stem (breastwall)										
Not Accessible	100%									
	Other Observation, E	xtent : Light, Area	Affected: 0%	6						
	Location:									
	Explanation : Unde	rneath Bridge Und	ler Constructi	ion						
Wingwalls										
Footings Not Accessible	1000/									
	100%									
Mat (scour & erosion) Earth	100%		LIFE	* *						
Piles	100%		LIFE							
Not Accessible	100%									
Walls	100/0									
Not Accessible	100%									
1 tot 1 tecessioie	Other Observation, E	xtent : Light Area	Affected : 0%	6						
	Location:	2.8, 11100		-						
	Explanation : Unde	rneath Bridge Una	ler Constructi	ion						
Approaches										

Approaches

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

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

Asset #: 2937

Bridge Structure	Current Repair F			e Replacement	M	aintenance	
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches							
Pavement							
Asphalt	80%		2024	\$113,500	4	\$2,300	
Asphalt	20% 2-4	\$2,800	2021	\$28,400	4	\$2,300	
	Cracks, Extent : Mod		ed: 20%				
	Location: Random		. 1 200	,			
	Spalling, Extent: Mo		tea : 20%	9			
	Location: Random	Ai Easi Approach		di di		***	
Concrete	95%		2032	* *	4	\$100	
Concrete	5% 4+	4.00	2032	* *	4	\$100	
	Cracks, Extent: Ligh						
G 1	Location: Random	At West Approach					
Curbs Concrete w/ Steel Face	80% 4+	\$6,300	LIFE	* *			
Colicieté w/ Steel Face	Rust Stains, Extent:						
	Location: Random		u . 10/0				
Community of Street Francisco			LIDE	* *			
Concrete w/ Steel Face	20% 2-4	\$1,600	LIFE				
	Broken/Missing Elen				. 44 W . a4	Ammaaah	
F 1 1	Location : Spalled .	Ana Missing Conci	еге Бепп	na Steet Curb Face	Ai wesi	Approacn	
Embankment Earth	80%		LIDE	* *			
	80% 20% 4+		LIFE LIFE	* *			
Earth	Settlement, Extent : 1	ight Area Affected					
	Location : At Joint		1. 10/0				
Pavement Base	Location . Th voint	in west approach					
Not Accessible	100%						
Sidewalks	10070						
Concrete	50%		LIFE	* *			
Concrete	50% 2-4	\$26,500	LIFE	* *			
	Cracks, Extent : Mod						
	Location : Random						
	Settlement, Extent : S	Severe, Area Affecte	ed : 50%				
	Location : Random						
	Spalling, Extent : Mo	oderate, Area Affec	ted : 30%	ó			
	Location: Random						
iers							
Cap Beam							
Not Accessible	100%						
	Other Observation, I	Extent : Light, Area	Affected	: 0%			
	Location:						
	Explanation: Unde	erneath Bridge Und	ler Const	ruction			
Pier,Columns							
Not Accessible	100%						
	Other Observation, I	Extent : Light, Area	Affected	: 0%			
	Location:						
	Explanation : Unde	erneath Bridge Una	ler Const	ruction			

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

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

Asset #: 2937

Bridge Structure	Current Repair			Futu	re Replacement	М	Maintenance	
system Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ers								
Stem,Solid Pier								
Not Accessible	100%							
	Other Ob.	servation, E	xtent : Light, Area	Affectea	!:0%			
	Location							
	Explana	tion : Unde	rneath Bridge Und	ler Consi	truction			
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
			xtent : Light, Area	Affected	!: 0%			
	Location							
	Explana	tion : Unde	rneath Bridge Und	er Consi	truction			
Footings	1000/							
Not Accessible	100%							
Mat (scour & erosion)	1000/			LIDE	* *			
Earth	100%			LIFE	* *			
Pedestals	1.000/							
Not Accessible	100%			A CC4	1 . 00/			
			xtent : Light, Area	Ајјестеа	2:0%			
	Location		uu aath Duidaa Uu d	lan Cana	turi oti ora			
eck Elements	Ехріана	non . Onae	rneath Bridge Und	er Consi	ruction			
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Gratings	10070							
Steel	100%			LIFE	* *			
Railings/Parapets	10070			DII D				
Concrete	100%			2032	* *	4		
Steel	100%			LIFE	* *	2-8		
Sidewalks	10070			LII L		2 0		
Concrete	90%			2028	* *	5	\$13,400	
Concrete	10%		\$8,100	2028	* *	5	\$6,700	
Concrete			erate, Area Affecte			3	φ0,700	
		n : Random						
Wearing Surface								
Concrete	80%			2032	* *	5	\$54,300	
Concrete	20%		\$32,400	2032	* *	5	\$27,200	
Concrete			t, Area Affected : 1			3	Ψ21,200	
		n : Transver						
perstructure								
Deck,Structural								
Not Accessible	100%							
			xtent : Light, Area	Affected	!: 0%			
	Location		g .					

Maintenance \$ are aggregated over a ten-year period. Site 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			Futur	e Replacement	M		
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

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$176,300	\$9,800	\$74,100	\$7,000
Total	\$176,300	\$9,800	\$74,100	\$7,000
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
Total	\$176,300	\$9,800	\$74,100	\$7,000



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

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

Asset #: 2933

idge Structure	Current Repair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
utments						
Bridge Seat&pedestals						
Concrete	80%	LIFE	* *			
Concrete	20% 4+ \$3,000	LIFE	* *			
	Cracks, Extent: Severe, Area Affected	: 30%				
	Location: Random	1 200/				
	Spalling, Extent: Severe, Area Affected	l : 30%				
	Location: Random					
Backwall	1000/ 4 / 010.100	LIEE	* *			
Concrete	100% 4+ \$13,100	LIFE	* *			
	Cracks, Extent: Light, Area Affected:	<i>2%</i> 0				
	Location : Front Face Of Back Wall Efflorescence, Extent : Light, Area Affe	atad . 20/				
	Location : Front Face Of Back Wall	ciea : 2%	•			
	Rust Stains, Extent: Severe, Area Affect	tad . 300/	<u> </u>			
	Location : Front Face Of Back Wall	iea : 50%)			
Damag Amar Dita Dada	Location . From Pace Of Back wan					
Brngs,Ancr Blts,Pads Steel	70%	LIFE	* *			
Steel	30% 0-2 \$24,000	LIFE	* *			
Sicci	Corrosion, Extent : Severe, Area Affect Location : Random					
	Rust Stains, Extent : Severe, Area Affec Location : Random	eted : 40%	ó			
Footings						
Not Accessible	100%					
Joint with Deck						
Generic	40%	LIFE	* *			
Generic	60% Now \$115,700	LIFE	* *			
	Broken/Missing Elements, Extent : Sevo Location : Random	ere, Area	Affected : 30%			
	Corrosion, Extent : Light, Area Affected	d: 10%				
	Location: Steel Member Of The Joint	t .				
	Leakage, Extent : Severe, Area Affected Location : Random	d : 70%				
	Other Observation, Extent : Light, Area Location : Various	a Affected	: 70%			
	Explanation: Construction Operation	ıs On-goi	ng			
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
Pedestals						
Concrete	80%	LIFE	* *			
Concrete	20% 4+ \$30,100	LIFE	* *			
	Cracks, Extent : Light, Area Affected : Location : Random	10%				
	Spalling, Extent : Moderate, Area Affect Location : Random	eted : 20%	ó			

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

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

Asset #: 2933

idge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priori
utments								
Stem (breastwall)								
Concrete	80%			LIFE	* *			
Concrete	20%	4+	\$77,200	LIFE	* *			
	Cracks, E	xtent : Ligh	t, Area Affected : I	10%				
	Location	ı : Random						
	Delamina	tions, Exter	ıt : Severe, Area A <u>j</u>	fected : 3	30%			
	Location	ı : Random						
	Spalling,	Extent : Lig	ht, Area Affected :	5%				
	Location	ı : Front Fa	ice Of Stem Wall					
ngwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Masonry: Schist/Gneiss	100%			LIFE	* *			
proaches								
Pavement								
Asphalt	85%			2024	\$213,700	4	\$4,000	
Asphalt	15%	2-4	\$3,800	2024	\$37,700	4	\$4,000	
		_	t, Area Affected : I	10%				
		ı : Random						
Concrete	100%			2038	* *	4	\$9,200	
Curbs								
Concrete w/ Steel Face	95%			LIFE	* *			
Concrete w/ Steel Face	5%	4+	\$100	LIFE	* *			
			Moderate, Area Afj	fected : 5	0%			
		ı : Through						
	_		Extent : Light, Area	ı Affected	l : 10%			
	Location	ı : Random						
Guide Railing								
Concrete	100%			2032	* *	4	\$1,400	
			Extent : Light, Area	Affected	: 100%			
		ı : South Si						
		tion : Conc	rete Wall Is On Th					
Steel	95%			LIFE	**	2-8	\$1,500	
Steel	5%	Now	\$800	LIFE	* *	2-8	\$1,500	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10% Location : Random							
	Other Ob.	servation, E	Extent : Light, Area	Affected	: 100%			
	Location	ı : North Si	de Of Ramp - 4th F	Post Fron	n End Of Abutment	<u> </u>		
	-		Fence Is On The Λ	orth Side	e Of The Ramp, 4th	Post Fre	om End Of	
	Abutme	ıt Is Broken	ı					
Pavement Base								

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

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

Asset #: 2933

ridge Structure	Current	Repair	Futur	Replacement	M	aintenance	
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
pproaches							
Sidewalks							
Concrete	80%		LIFE	* *			
Concrete	20% 2-4	\$5,300	LIFE	* *			
	Cracks, Extent : Ligh		0%				
	Location : Southwe		1 1007				
	Settlement, Extent : I	-	1:10%				
	Location: Southwe		A A CC-	-4-1-200/			
	Vegetation Growth, I Location: Random		Агеа Ајје	ctea : 20%			
ers	Location . Kanaom						
Pier,Columns							
Concrete Encased Steel	85%		LIFE	* *	5	\$900	
Concrete Encased Steel	15% 4+	\$300	LIFE	* *	5	\$900	
	Cracks, Extent: Ligh	t, Area Affected : 1	15%				
	Location : In Conci	rete Encasement In	Bottom (Of Column			
	Spalling, Extent: Lig	ght, Area Affected :	15%				
	Location: Concrete	e Encasement At Be	ottom Of	Column			
Steel	90%		LIFE	* *	2-8	\$119,700	
Steel	10% 4+	\$43,500	LIFE	* *	2-8	\$119,700	
	Rust Stains, Extent:		d: 10%				
	Location: Random						
	Other Observation, E	Extent : Moderate, A	Area Affe	cted : 10%			
	Location:						
	Explanation: Colu	mn Encasement - C	Concrete -	Is Damaged At 1	Column		
Brngs,Ancr Blts,Pads	500/		LIEE	* *	2.0	¢1 000	
Steel	50%	¢122.400	LIFE	* *	2-8	\$1,800	
Steel	50% 2-4	\$133,400	LIFE		2-8	\$1,800	
	Corrosion, Extent : N Location : Random		eciea : 10	70			
Footings	Locuiton : Random						
Not Accessible	100%						
Mat (scour & erosion)	10070						
Earth	100%		LIFE	* *			
Pedestals							
Steel	80%		LIFE	* *			
				* *			
Steel	20% 4+	\$8,700	LIFE	4- 4-			
Steel	20% 4+ Rust Stains, Extent :	\$8,700 Moderate, Area Afj	LIFE fected : 20				
Steel		Moderate, Area Afj					
eck Elements	Rust Stains, Extent :	Moderate, Area Afj					
eck Elements Curbs	Rust Stains, Extent : Location : Random	Moderate, Area Afj	fected : 20	9%			
eck Elements Curbs Concrete w/ Steel Face	Rust Stains, Extent : Location : Random	Moderate, Area Afj	fected : 20	**			
eck Elements Curbs	Rust Stains, Extent : Location : Random 90% 10% Now	Moderate, Area Afj \$23,500	fected : 20 LIFE LIFE)% ** **			
eck Elements Curbs Concrete w/ Steel Face	Rust Stains, Extent : Location : Random 90% 10% Now Broken/Missing Elen	Moderate, Area Afj \$23,500 nents, Extent : Seve	fected : 20 LIFE LIFE)% ** **			
eck Elements Curbs Concrete w/ Steel Face Concrete w/ Steel Face	Rust Stains, Extent : Location : Random 90% 10% Now	Moderate, Area Afj \$23,500 nents, Extent : Seve	fected : 20 LIFE LIFE)% ** **			
eck Elements Curbs Concrete w/ Steel Face	Rust Stains, Extent : Location : Random 90% 10% Now Broken/Missing Elen	Moderate, Area Afj \$23,500 nents, Extent : Seve	fected : 20 LIFE LIFE)% ** **	4	\$8,500	

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

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

Asset #: 2933

Bridge Structure	Current Repair	Future Replaceme	М				
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	Cost	Cycle (Yrs)	Estimated Cost	Priority	
Deck Elements							
Sidewalks				_	*1* 100		
Concrete	95%	2028	* *	5	\$13,400		
Concrete	5% 4+ \$2,000	2028	* *	5	\$6,700		
	Spalling, Extent : Moderate, Area Affec Location : Approximately 2 Square Fo						
Wearing Surface	Location : Approximately 2 Square 1	eei On Ivorin Stae					
Concrete	95%	2032	* *	5	\$54,600		
Concrete	5% 4+ \$2,000	2032	* *	5	\$27,300		
30	Cracks, Extent: Light, Area Affected: Location: Random				Ψ 27, 000		
	Recent Repair Evident, Extent : Light, A						
	Location: Asphalt Repair At Longitus						
	Spalling, Extent: Light, Area Affected:	5%					
Y	Location : Random						
Superstructure Deck,Structural							
Concrete	95%	LIFE	* *	5	\$18,200		
Concrete	Other Observation, Extent : Light, Area			3	Ψ10,200		
	Location: Center Of Structure						
	Explanation: Covered By Timber Shi	elding					
Concrete	5% 4+ \$7,600	LIFE	* *	5	\$18,200		
	Cracks, Extent : Light, Area Affected : Location : Random	10%					
	Delaminations, Extent : Light, Area Aff Location : Random	ected : 20%					
	Exposed Reinforcement, Extent : Light, Location : Adjacent To Joint In Midd						
	Spalling, Extent : Light, Area Affected :	-					
	Location: Wood Decking In Middle I						
Joints	C	· · · · · · · · · · · · · · · · · · ·					
Generic	50%	LIFE	* *				
Generic	30% 2-4 \$13,700	LIFE	* *				
	Leakage, Extent : Moderate, Area Affec Location : Throughout	eted : 50%					
	Other Observation, Extent: Moderate,	Area Affected : 20%					
	Location: Throughout						
	Explanation: Damaged Armor Joint						
Generic	20% Now \$11,000	LIFE	* *				
	Broken/Missing Elements, Extent : Seve Location : At End Bridge	ere, Area Affected : 60	%				
Primary Member							
Steel	85%	LIFE	* *	2-8	\$305,000		
Steel	15% 2-4 \$652,700	LIFE	* *	2-8	\$305,000		
	Corrosion, Extent : Severe, Area Affect	ed : 40%					
	Location: Random						
	Loss of Section, Extent : Light, Area Afg	fected : 10%					
	Location : Random						

Maintenance \$ are aggregated over a ten-year period. Site 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	t Repair	Future	e Replacement	М	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure							
Secondary Member							
Steel	80%		LIFE	* *	2-8	\$255,500	
Steel	20% 4+	\$120,100	LIFE	* *	2-8	\$255,500	
	Rust Stains, Extent	: Moderate, Area Af	fected : 20	0%			
	Location: Randon	m					

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$139,500		\$16,700	
Total	\$139,500		\$16,700	
Importance Code A	\$68,800			
Importance Code C	\$70,700		\$16,700	
Total	\$139,500		\$16,700	



Maintenance \$ are aggregated over a ten-year period. Site 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 l	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck								
Generic	50%			LIFE	* *			
Generic	50%	0-2	\$74,400	LIFE	* *			
		_	nents, Extent : Ligh Locations	t, Area A	ffected : 100%			
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Vingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)	400							
Earth	100%			LIFE	* *			
Piles	400							
Not Accessible	100%							
Walls	0.004				* *			
Concrete	80%	2.4	# 42 200	LIFE	* *			
Concrete	20%	2-4	\$42,300	LIFE	* *			
		ieni : Lign : Random	t, Area Affected : I	0%				
				1 . 10	10/			
		-	it : Light, Area Affe d Throughout	eciea : 10	170			
	Locuiton	. scanered	a Throughoui					
Approaches Pavement								
Pavement Asphalt	100%			2025	\$156,500	4	\$3,300	
Concrete	80%			2023	\$130,300 * *	4	\$3,400	
Concrete	20%	2-4	\$19,500	2027	* *	4	\$33,400	
Concrete	Cracks, Ex Location	ctent : Ligh : Scattered	t, Area Affected : 1 d Throughout ht, Area Affected :	10%		4	ψ33,400	
			Locations	13/0				
Curbs	Locunon	. Italiaom	2000000					
Concrete w/ Steel Face			Light, Area Affecte Locations	LIFE d : 100%	**			

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

^{**} 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	Future Replacement		Maintenance	
System Component Type	% of Fail l Total (Yes	Date Estimated Cost ars)	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches							
Guide Railing							
Concrete	80%		2033	* *	4	\$8,600	
Concrete	20% 4-	' '	2033	* *	4	\$5,700	
		Light, Area Affected:	10%				
	Location : Rar	adom Locations					
Pavement Base	1000/						
Not Accessible	100%						
Sidewalks	000/		LIDE	ماه ماه			
Concrete	80%	44 5 500	LIFE	* *			
Concrete	20% 4-	' '	LIFE	* *			
		Light, Area Affected:	5%				
		adom Locations	A CC . 1	100/			
		vth, Extent : Light, Ared adom Locations	a Affectea :	10%			
	Location : Kar	aom Locations					
Con Boom							
Cap Beam Not Accessible	100%						
Pier, Columns	100%						
Not Accessible	100%						
Stem, Solid Pier	10070						
Not Accessible	100%						
Brngs, Ancr Blts, Pads	10070						
Not Accessible	100%						
Footings	10070						
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Deck Elements		-					
Curbs							
Concrete w/ Steel Face	98%		LIFE	* *			
	Rust Stains, Exte	ent : Light, Area Affecte	ed : 100%				
	Location: Ran	ndom Locations					
Concrete w/ Steel Face	2% No	w \$17,800	LIFE	* *			
	Other Observati	on, Extent : Moderate,		red : 60%			
	Location: Ran	ndom Locations					
	Explanation:	Missing / Separated Or	r Damaged S	Steel Plate			
Railings/Parapets							
Concrete	90%		2033	* *	4	\$39,500	
Concrete	10% 4-	\$29,900	2033	* *	4	\$26,300	
		Light, Area Affected : adom Locations	10%				
	Other Observati	on, Extent : Light, Ared	a Affected :	100%			
		ween 33th And 34th Str					
	Explanation:	Area Under Constructi	on				
Steel	100%		LIFE	* *	2-8		

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

^{**} 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	Current Repair			М	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Sidewalks							
Concrete	80%		2029	* *	5	\$84,000	
Concrete	20% 4+ Cracks, Extent : Lig Location : Rando	\$23,400 ht, Area Affected : 1	2029 0%	* *	5	\$42,000	
XX	Location . Kanaoi	n Locations					
Wearing Surface	050/		2033	* *	_	¢c42.700	
Concrete	95%	¢11 100		* *	5	\$643,700	
Concrete	5% 0-2 Cracks, Extent : Lig Location : Randor	\$11,100 ht, Area Affected : 1 n Locations	2033	. v.	5	\$321,900	
	Spalling, Extent : L Location : Randon	ght, Area Affected : n Locations	5%				
Scupper							
Cast Iron	40%		LIFE	* *			
Cast Iron	60% 0-2 Drains Clogged, Ex Location : Scatter	\$51,800 tent : Severe, Area A ed Throughout	LIFE Affected :	* *			
Superstructure							
Deck,Structural							
Not Accessible	100%						
Joints							
Generic	60% 4+ Joints Missing, Exter Location : Scatter Misaligned/Bulging Location : Scatter	, Extent : Moderate,					
Generic	40% 0-2	\$155,500	LIFE	* *			
Control	Broken/Missing Ele Location : At 34th	ments, Extent : Mod Street	erate, Ar				
	_	Joderate, Area Affect Street (South Section		<i>'</i> 0			
Primary Member							
Not Accessible	100%						
Secondary Member Not Accessible	100%						

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

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$2,000,500	\$5,006,700
Total	\$2,000,500	\$5,006,700
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
Total	\$2,000,500	\$5,006,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$143,200	\$15,400	\$367,200	
Total	\$143,200	\$15,400	\$367,200	
Importance Code A	\$79,700		\$151,400	
Importance Code B	\$13,200		\$215,900	
Importance Code C	\$50,300	\$15,400		
Total	\$143,200	\$15,400	\$367,200	



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

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

Asset # : 2662

Bridge Structure	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments Bridge Seat&pedestals Granite	100% 4+ Other Observation, E Location : At Top O Explanation : Missi	Of End Abutment	LIFE Affected	* *			
Backwall Granite Granite	75% 25% 4+ Efflorescence, Exteni Location : End Abu		LIFE LIFE cted: 20%	* * * *			
Brngs,Ancr Blts,Pads Not Accessible	100%						
Footings Not Accessible Joint with Deck	100%						
Generic	100% 4+ Other Observation, E Location : Through Explanation : Crac	out At End Abutme	nt	* * cted : 10%			
Mat (scour & erosion) Earth	100%	is in frequence	LIFE	* *			
Pedestals Concrete	100%		LIFE	* *			
Stem (breastwall) Granite Granite	92% 8% 4+	\$249,700	LIFE LIFE	* *			
	Cracks, Extent: Ligh Location: At End A Efflorescence, Extent Location: At Begin Vegetation Growth, I Location: At Begin Other Observation, E Location: At End A Explanation: Rust	Abutment t: Moderate, Area a uning Abutment Extent: Moderate, a uning And End Abua Extent: Light, Area Abutment	Affected : Area Affe tments	cted : 50%			
Wingwalls Footings Not Accessible	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Piles Not Accessible	100%						

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

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

Asset # : 2662

ridge Structure		Current I	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ngwalls								
Walls	000/			T TEE	ale ale			
Granite Granite	90% 10%	4+	¢25 200	LIFE LIFE	* *			
Granite			\$35,200 lerate, Area Affecte					
		: At End A		u . 570				
	Effloresce	nce, Extent	: Moderate, Area	Affected .	: 25%			
	Location	: At Begin	ning And End Abu	tments				
	Vegetation	ı Growth, I	Extent : Moderate,	Area Affe	ected : 50%			
		: At End A						
			Extent : Light, Area	Affected	: 5%			
		: At End A						
nroachas	Ехріапа	tion : Missi	ng Mortar					
proaches Pavement								
Asphalt	100%	4+	\$10,000	2026	\$500,600	4	\$8,100	
1	Cracks, E.	xtent : Ligh	t, Area Affected : 5	%	,			
	Location	: At End C	Of Abutment					
Concrete	50%			2034	* *	4	\$46,300	
Concrete	50%		\$19,500	2034	* *	4	\$30,800	
			nt, Extent : Light, A	rea Affe	cted : 10%			
		: At End A		. 20/				
		t, Extent : L t : At End A	ight, Area Affected	1:2%				
			Abuimeni Iderate, Area Affec	tad · 50%	<u> </u>			
	-	: At End A		еи. 50%	,			
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
			Moderate, Area Afj	fected : 1	0%			
	Location	: At End A	butment					
Embankment Earth	100%			LIFE	* *			
Mat (scour & erosion)	100%			LIFE				
Earth	100%			LIFE	* *			
Railings/Parapets	10070							
Concrete	100%	4+	\$6,800	2034	* *			
		_	t, Area Affected : I	0%				
		: Through						
			ht, Area Affected :					
		: Random	Locations Through					
Granite	90%	0.2	405 500	LIFE	* *			
Granite	10%	0-2	\$25,600 Extant: Savara Ara	LIFE				
			Extent : Severe, Are apstone Of Beginn					
			Extent : Severe, Are					
			roach And Begin A					
					d Missing Mortar			

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

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

Asset #: 2662

Bridge Structure	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (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	
	Cracks, Extent: Mod		d: 10%				
	Location: Northwo Settlement, Extent:		4 . 1 . 1 . 1	20/			
	Location : Northwe		eciea : 10	770			
		esi Corner	TIPE	* *			
Concrete	100%		LIFE	* *			
Con Poom							
Cap Beam Steel	90%		LIFE	* *	2-8	\$74,800	
Steel	10% 4+	\$20,200	LIFE	* *	2-8	\$74,800	
Sicci	Corrosion, Extent : I	. ,			2-0	\$74,800	
		s Flanges Of The B		ember. And Throug	hout Lat	ticing	
Pier,Columns	Zoomion i Zim dae	s runges eg me z					
Steel	100%		LIFE	* *	2-8	\$1,969,700	
Steel	Rust Stains, Extent:	Light, Area Affecte			2 0	Ψ1,>0>,700	
		Locations Through					
Stem,Solid Pier							
Granite	90%		LIFE	* *			
Granite	10% 4+	\$257,400	LIFE	* *			
	Efflorescence, Exten		ted : 209	%			
	Location : Beginni	ng Approach					
	Vegetation Growth,	Extent : Moderate, .	Area Affe	ected : 20%			
	Location : Beginni	ng Approach					
Brngs,Ancr Blts,Pads							
Not Accessible	100%						
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
	Other Observation, I			: 100%			
		Locations Through					
	Explanation : Pave	ed Underneath, Brio	k Pavers	At Pier 1			
Piles Not Accessible	1,000/						
	100%						
Deck Elements Curbs							
Concrete w/ Steel Face	100%		LIFE	* *			
Concrete w/ Steel Face	Rust Stains, Extent:	Moderate: Area Afi		0%			
	Secreto, Directit .						

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

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

Asset #: 2662

Bridge Structure	Current Rep	air Future	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Es Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Railings/Parapets						
Masonry	90%	2034	* *	5	\$1,600	
Masonry	10% 4+	\$7,700 2034	* *	5	\$800	
		nt : Light, Area Affected :	20%			
	Location: Begin Abuth					
G. 1		Mortar Joint And Crackin		2.0	Φ7.6.000	
Steel	100%	LIFE	* *	2-8	\$76,900	
	Rust Stains, Extent : Light					
Sidewalks	Location: Throughout					
Concrete	90%	2030	* *	5	\$72,300	
Concrete	10% 4+	\$43,600 2030	* *	5	\$36,200	
Concrete	Cracks, Extent: Light, A			3	Ψ30,200	
	Location: Throughout					
Wearing Surface	0					
Asphalt	100%	2026		5		
F		nt : Light, Area Affected :	100%			
	Location : Span No. 1					
	Explanation : At Span	No. 1 Only				
Concrete	100% 4+	\$188,900 2034	* *	5	\$316,900	
	Cracks, Extent : Light, A				72-0,200	
	Location : Throughout					
Scupper						
Cast Iron	100%	LIFE	* *			
		nt : Light, Area Affected :	100%			
	Location: Throughout					
	Explanation : Total Of	16 Scuppers				
Superstructure						
Deck,Structural	1000/	, IDD	* *	~	Φ1 62 200	
Concrete	100%	LIFE		5	\$163,300	
	Location : Throughout	nt : Light, Area Affected :	100%			
	_	Side Of Slab Covered By S	tan in place Form	m.c		
Joints	Explanation . Bottom S	nae Of Stab Coverea by S	шу-т-ршсе гот	us		
Steel	100%	LIFE	* *			
Primary Member	10070	ERE				
Concrete	70%	LIFE	* *	5	\$30,500	
Concrete	30% 0-2	\$1,141,500 LIFE	* *	5	\$30,500	
		nt : Moderate, Area Affect	ed : 40%	-	, = =,= = =	
	Location : Span 1	55				
	Explanation : Hollow A Mesh	Area Of Brick Veneers; Mi	ssing Elements A	nd Cove	red With Steel	
Steel	100%	LIFE	* *	2-8	\$2,632,600	
Sieei	100/0			20	Ψ2,002,000	
Secondary Member						

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

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$86,000	\$4,200	\$40,300	\$5,500
Total	\$86,000	\$4,200	\$40,300	\$5,500
Importance Code A	\$14,000	\$4,200	\$400	
Importance Code B	\$21,500		\$5,400	
Importance Code C	\$50,500		\$34,600	\$5,500
Total	\$86,000	\$4,200	\$40,300	\$5,500



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	50%			LIFE	**			
Generic	50%	4+	\$21,500	LIFE	**			
	_	_	eal, Extent : Light, A	Area Affe	ected : 10%			
	Location	: Through	out					
Mat (scour & erosion)	1000/				ate ate			
Earth	100%			LIFE	* *			
Pedestals	1000/							
Not Accessible	100%							
Stem (breastwall)	1.000/			TIPE	ale ale			
Concrete	100%			LIFE	* *			
Wingwalls								
Footings	1000/							
Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Piles	100%			LIFE				
Not Accessible	100%							
Walls	100%							
Masonry	50%	4+	\$16,700	LIFE	* *			
Wasoiii y			oderate, Area Affec					
			Locations Through					
3.4		. Random	Locations Through		* *			
Masonry	50%	omostica I	Entant Liabt Anna	LIFE				
			Extent : Light, Area	Ајјестеа	: 100%			
		: Through						
A nnraeahas	Expiana	tion : Not A	Accessible					
Approaches Pavement								
Asphalt	100%	4+	\$8,900	2026	\$178,600	4	\$2,900	
Asphait			\$8,900 lerate, Area Affecte		\$178,000	4	\$2,900	
		a : East And		a. 20/0				
			i wesi Ena 1t, Extent : Light, A	rea Affor	cted · 15%			
	•	e: East Sid		ней Аујес	леа . 1570			
Concrete	100%	4+	\$24,900	2034	* *	4	\$19,700	
			derate, Area Affec			•	Ψ12,700	
			oint Header					

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

^{**} 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	Cur	rent Repair	Futur	e Replacement	M	aintenance	
System Component Type		Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches							
Curbs							
Concrete w/ Steel Face	100% 4-	' ' '	LIFE	* *			
		ent : Light, Area Affecte	d : 20%				
	Location: Bo	th Approaches					
Embankment	1000/		LIEE	* *			
Earth	100%		LIFE	* *			
Mat (scour & erosion)	1000/		LIEE	* *			
Earth Sidewalks	100%		LIFE				
Concrete	100%		LIFE	* *			
Concrete		wth, Extent : Light, Area					
		ndom Locations Through		. 570			
Piers	Location . Rui	Locations Infough					
Cap Beam							
Not Accessible	100%						
Pier, Columns	10070						
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	1000/	Φ.4. σ0.0	r ree	* *			
Concrete w/ Steel Face	100% 4	, ,	LIFE				
	Location : Thi	ent : Light, Area Affecte	a:100%	1			
Dailings/Danagata	Location . Tri	ougnoui					
Railings/Parapets Concrete	100%		2034	* *	4	¢12.500	
Concrete Steel	100%	+ \$7,000	LIFE	**	4 2-8	\$12,500 \$11,500	
Sicci		+			2-0	\$11,500	
	Location : Thi		. 10/0				
Sidewalks							
Concrete	100%		2030	* *	5	\$11,100	
Wearing Surface	100/0		2000			Ψ11,100	
Concrete	100%		2034	* *	5	\$69,100	
uperstructure	,-					+ ->,200	
Deck,Structural							
Not Accessible	100%						

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

^{**} 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 Rep	oair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure							
Joints							
Steel	100% 4+	\$202,400	LIFE	* *			
	Broken/Missing Elemen	ts, Extent : Ligh	t, Area A	ffected : 20%			
	Location: Throughout						
Primary Member							
Not Accessible	100%						
Secondary Member							
Not Accessible	100%						

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$35,400		\$25,200	
Total	\$35,400		\$25,200	
Importance Code A	\$2,700		\$9,600	
Importance Code B	\$22,700		\$9,400	
Importance Code C	\$10,100		\$6,200	
Total	\$35,400		\$25,200	



Maintenance \$ are aggregated over a ten-year period. Site 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 cւ		Current F	Repair Future Replacem		e Replacement	ent Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	* *			
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%	4+	\$22,700	LIFE	* *			
		_	t, Area Affected : 5	%				
		: Random						
			Light, Area Affecte	d : 5%				
	Location	: Random						
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$156,400	LIFE	* *			
			: Light, Area Affec	ted : 8%	ó			
	Location	: Random						
			ht, Area Affected :	5%				
	Location	: Random						
Approaches								
Pavement								
Asphalt	100%	4+	\$2,300	2024	\$115,500	4	\$2,700	
			t, Area Affected : 5	%				
		: Random						
			ight, Area Affected	! : 10%				
	Location	: Random						

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

^{**} 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		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches							
Curbs	0.007		TIPE	ale ale			
Concrete	90%	Ф1 с00	LIFE	* *			
Concrete	10% 4+ Broken/Missing Elen	\$1,600	LIFE				
	Location: Random	_	ı, Area A	jjeciea . 10%			
	Settlement, Extent: 1		1 · 5%				
	Location: Random		570				
	Spalling, Extent : Lig		8%				
	Location : Random						
Concrete w/ Steel Face	100%		LIFE	* *			
Embankment							
Not Accessible	100%						
Pavement Base							
Not Accessible	100%						
Sidewalks	400						
Concrete	100% 4+	\$2,000	LIFE	* *			
	Cracks, Extent : Light Location : Random		1%				
):	Location . Kanaom	,					
Piers Stem,Solid Pier							
Concrete	100% 4+	\$210,000	LIFE	* *			
Concrete	Cracks, Extent : Ligh						
	Location : Random						
	Exposed Reinforcem	ent, Extent : Light,	Area Affe	ected : 1%			
	Location : Random						
	Spalling, Extent : Lig	ght, Area Affected :	2%				
	Location: Random	!					
Brngs,Ancr Blts,Pads							
Not Accessible	100%						
Footings	1.000/						
Not Accessible	100%						
Mat (scour & erosion)	1,000/		LIDE	* *			
Earth Dadastala	100%		LIFE				
Pedestals Not Accessible	100%						
Piles	100%						
Not Accessible	100%						
Deck Elements							
Curbs							
Concrete w/ Steel Face	100% 4+	\$1,100	LIFE	* *			
	Rust Stains, Extent:		d: 2%				
- ""	Location : Random	!					
Railings/Parapets	1000/		ם מודן	* *	2.0	\$2,000	
Steel	100%		LIFE	* *	2-8	\$3,900	

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

^{**} 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	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Sidewalks						
Concrete	100% 4+ \$5,700	2028	* *	5	\$3,400	
	Cracks, Extent: Light, Area Affected:	5%				
	Location: Random	20/				
	Spalling, Extent: Light, Area Affected:	3%				
	Location : Random					
Wearing Surface	1000/	2024	фо д 000	_	Φ1 2 100	
Asphalt	100%	2024	\$97,000	5	\$12,400	
	Cracks, Extent : Light, Area Affected : c Location : Random	5%0				
		1.50/				
	Settlement, Extent : Light, Area Affected Location : Random	l : 370				
S	Location : Kanaom					
Superstructure Deck,Structural						
Concrete	100% 4+ \$808,900	LIFE	* *	5	\$10,500	
Concrete	Cracks, Extent: Light, Area Affected:			3	\$10,500	
	Location: Random	.,,0				
	Exposed Reinforcement, Extent: Light,	Area Aff	ected : 3%			
	Location: Random					
	Spalling, Extent : Light, Area Affected :	5%				
	Location: Random					
	Other Observation, Extent : Light, Area	Affected	l : 100%			
	Location: Throughout					
	Explanation: As Per Nysdot Inspection	n Report	•			
Primary Member						
Steel	100% 4+ \$318,500	LIFE	* *	2-8	\$175,600	
	Broken, Missing Pave, Extent: Light, A.					
	Location: A Broken Intermittent Weld		-			
	Other Observation, Extent : Light, Area	Affected	l : 5%			
	Location: Stringers S2, S3 & S5					
	Explanation : Impact Damage As Per	Nysdot I	nspection Report			
Secondary Member					*	
Steel	100%	LIFE	* *	2-8	\$147,100	

^{**} 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.Q.E.)

Address : 32ND STREET

Borough : QUEENS Agency's Number : N/A

Area Sq Ft : 8,100 Project Type : HIGHWAY BRIDGES

Date of Survey : 03-Jan-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2230640

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$57,000		\$300	
Total	\$57,000		\$300	
Importance Code A	\$10,800		\$300	
Importance Code B	\$20,900			
Importance Code C	\$25,300			
Total	\$57,000		\$300	



Maintenance \$ are aggregated over a ten-year period. Site 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	t Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals							
Concrete	100%		LIFE	* *			
Backwall							
Not Accessible	100%						
Brngs,Ancr Blts,Pads							
Steel	100%		LIFE	* *			
Footings	400						
Not Accessible	100%						
Joint with Deck	1000/	Φ1 2.5 00	T TEE	* *			
Generic	100% 4+	\$13,500	LIFE				
	Location : At Both	ments, Extent : Mod	erate, Ar	еа Апестеа : 80%			
Mat (account to anglian)	Location . At Both	<i>i Abuimenis</i>					
Mat (scour & erosion) Generic	100%		LIFE	* *			
Pedestals	10070		LIII				
Concrete	100%		LIFE	* *			
Stem (breastwall)	10070		LII L				
Concrete	100% 4+	\$55,400	LIFE	* *			
		oderate, Area Affecte					
	Location : Randor	n Locations					
	Efflorescence, Exter	nt : Light, Area Affed	cted : 20%	%			
	Location : Randor	n Locations					
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Generic	100%		LIFE	* *			
Piles	1.000/						
Not Accessible	100%						
Walls	100% 4+	\$77,600	LIFE	* *			
Concrete		\$77,600 g, Extent : Light, Ard					
	Location : Throug		eu rijjecie	cu . 2070			
		nt : Moderate, Area .	Affected	· 20%			
	Location : Randor		ingecica .	. 2070			
		ight, Area Affected :	10%				
	Location : Randor	0					
		Extent : Light, Area	Affected	: 1%			
		Abutment West Wing					
	Explanation : Exp						
Approaches	<u> </u>						

Approaches

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

Current Repair						
	ate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
		2025 10%	\$152,300	4	\$3,500	
Location : Both Other Observatio Location : Both	Approaches n, Extent : Light, Ared Approaches	ı Affected	: 100%			
100% 4+ Spalling, Extent:	\$4,700 Light, Area Affected .	2033	**	4	\$13,400	
		LIFE d : 5%	**			
1000/		LIEE	* *			
100%		LIFE	* *			
			* * cted : 20%			
		LIFE 5%	* *			
1000/		LIEE	ታ ታ			
100%		LIFE	* *			
		LIFE 5%	* *			
95%		LIFE	* *			
100%		LIFE	* *	2-8	\$3,700	
100%						
100%		LIFE	* *			
Location : Thro	ughout		* *	5	\$17,900	
	100% 4+ Cracks, Extent: It Location: Both Settlement, Extent Location: Both Other Observation Location: Both Explanation: A 100% 4+ Spalling, Extent: Location: Both 100% Corrosion, Extent Location: Thro 100% 100% 4+ Cracks, Extent: It Location: Thro 100% 5% 4+ Cracks, Extent: It Location: Span 95% 100%	Total (Years) 100% 4+ \$7,600 Cracks, Extent: Light, Area Affected: Location: Both Approaches Settlement, Extent: Moderate, Area Affected: Location: Both Approaches Other Observation, Extent: Light, Area Location: Both Approaches Explanation: Asphalt 50 Percent; Co 100% 4+ \$4,700 Spalling, Extent: Light, Area Affected: Location: Both Approaches 100% Corrosion, Extent: Light, Area Affected: Location: Throughout 100% 100% 4+ \$10,800 Damaged Railing, Extent: Moderate, A Location: At End Approach (West St.) 100% 4+ \$3,200 Cracks, Extent: Light, Area Affected: Location: Throughout 100% 5% 4+ \$7,400 Cracks, Extent: Light, Area Affected: Location: Span 2 Side 95% 100% 100% 100% 100% 100% 100% 100%	Total (Years) FY	Total (Years)	Total (Years)	Total (Years)

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

Bridge Structure		Current F	Repair	Futur	e Replacement	M	aintenance	
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	\$3,600	
Sidewalks								
Concrete	100%	4+	\$7,100	2029	* *	5	\$1,700	
	Cracks, E.	xtent : Ligh	t, Area Affected : 1	0%				
	Location	ı : Random	Locations					
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year 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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$167,500	\$15,800	\$17,700	
Total	\$167,500	\$15,800	\$17,700	
Importance Code A	\$82,900		\$17,700	
Importance Code B				
Importance Code C	\$84,600	\$15,800		
Total	\$167,500	\$15,800	\$17,700	



Maintenance \$ are aggregated over a ten-year period. Site 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			e Replacement	Maintenance			
System Component	% of		Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority	
Туре	Total	(Years)		FY		(Yrs)			
Abutments	<u> </u>			1					
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	**				
			ent : Moderate, Are	a Affecte	d: 50%				
	Location : Both Abutments Missing/Damaged Seal, Extent : Moderate, Area Affected : 60%								
	_	ımagea Se : Through		ate, Area	Affectea: 00%				
Mat (care of care is a)	Location	. Inrougn	ош						
Mat (scour & erosion) Earth	100%			LIFE	* *				
Pedestals	100%			LIFE					
Not Accessible	100%								
Stem (breastwall)	10070								
Not Accessible	100%								
Wingwalls	10070								
Footings									
Not Accessible	100%								
Mat (scour & erosion)									
Earth	100%			LIFE	* *				
Piles									
Not Accessible	100%								
Walls									
Not Accessible	100%								
Approaches									
Pavement			.		A				
Asphalt	100%	4+	\$26,800	2026	\$535,500	4	\$7,400		
		_	t, Area Affected : 5	%					
		: Through	out						
Concrete	80%			2034	* *	4	\$47,400		
Concrete	20%	0-2	\$184,700	2040	* *	4	\$31,600		
	Broken, Missing Pave, Extent: Severe, Area Affected: 5%								
	Location: Begin Approach								
	Cracks, Extent: Moderate, Area Affected: 15%								
	Location: Both Approaches								
	Recent Repair Evident, Extent : Light, Area Affected : 5% Location : South Approach								
				. 50/					
			vere, Area Affected	. 3%					
	Location	: Begin A _l	эргоасп						

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

rype proaches Curbs Concrete w/ Steel Face Concrete w/ Steel Face	Location Rust Stain	(Years)	Estimated Cost \$3,300	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
Curbs Concrete w/ Steel Face Concrete w/ Steel Face	5% Broken,M Location Rust Stain	issing Pave		LIFE				
Concrete w/ Steel Face Concrete w/ Steel Face	5% Broken,M Location Rust Stain	issing Pave		LIFE				
Concrete w/ Steel Face	5% Broken,M Location Rust Stain	issing Pave		LIFE				
	Broken,M Location Rust Stain	issing Pave			* *			
	Location Rust Stain			LIFE	**			
		s, Extent : I i : Through	Moderate, Area Aff out	fected : 5	0%			
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Railings/Parapets								
Concrete	100%			2034	* *			
	Effloresce	nce, Extent	: Light, Area Affec	ted : 5%				
	Location	: Random	Locations Through	nout				
Steel	100%			LIFE	* *			
		s, Extent : I i : Bottom I	Light, Area Affecte Rails	d : 2%				
Sidewalks								
Concrete	90%			LIFE	* *			
Concrete		2-4 xtent : Ligh a : Through	\$10,600 t, Area Affected : 5 out	LIFE	* *			
	Spalling, I	-	derate, Area Affect	ted : 10%	ó			
rs Con Brown								
Cap Beam Concrete Encased Steel	100%			LIFE	* *	5	\$4,400	
	100%			LIFE		3	\$4,400	
Pier, Columns Concrete Encased Steel	100%			LIFE	* *	5	\$900	
	100%			LIFE		3	\$900	
Stem,Solid Pier Concrete	100%			LIFE	* *			
	100%			LIFE				
Brngs,Ancr Blts,Pads Steel	100%	4+	\$32,400	LIFE	* *	2-8	\$4,800	
		, Extent : L ı : At Pier 3	ight, Area Affected 3	: 2%				
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Pedestals Concrete	100%			LIFE	* *			
Piles Not Accessible	100%			2m D				
ek Elements	100/0							

Deck Elements

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

Bridge Structure	Current Repair			Futur	e Replacement	М		
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%	4+	\$23,400	LIFE	**			
			Moderate, Area Aff	ected : 6	0%			
		: Through	out ght, Area Affected :	50/				
	-	_	ni, Area Ajjeciea : Locations Through					
Railings/Parapets								
Concrete	100% Effloresce	4+ nce, Exteni	\$16,700 t : Light, Area Affec	2034 cted : 5%	* *	4	\$7,300	
			Locations Through					
Steel	100%	4+	\$7,100	LIFE	* *	2-8	\$10,100	
			Light, Area Affecte	d : 5%				
		: Bottom I	ваr Extent : Light, Area	Affaatad	. 1000/			
			exieni : Ligni, Area Of Concrete Parap		. 100%			
		tion : Steel	-	CIS				
Sidewalks	<i>T</i>							
Concrete	100%	4+	\$16,300	2030	* *	5	\$5,800	
		xtent : Ligh : Through	nt, Area Affected : 5 Sout	: %				
Wearing Surface								
Concrete	100%	4+	\$22,400	2034	* *	5	\$32,400	
	Cracks, E	xtent : Ligh	nt, Area Affected : 2	%				
	Location	: Random	Locations Through	iout				
Superstructure								
Deck,Structural	1000/							
Not Accessible	100%							
Joints Generic	100%	2-4	\$8.500	LIFE	* *			
Generic			\$6,500 ients, Extent : Mod					
		: At Midd		eruie, Ar	eu Ajjecieu . 2070			
			oderate, Area Affect	ed: 70%	á			
		: Concret						
Primary Member								
Steel	100%			LIFE	* *	2-8	\$318,500	
Secondary Member								
Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year 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

 $Program / Asset \# \quad : \ DOT0167.000 / \ 13575 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 20,200 Project Type : HIGHWAY BRIDGES

Date of Survey : 11-Nov-2013 Landmark Status : NONE

Areas Surveyed :

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

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



Maintenance \$ are aggregated over a ten-year period. Site 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			Futur	e 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	* *			
Backwall								
Concrete	100%			LIFE	* *			
Brngs,Ancr Blts,Pads Not Accessible	100%	ı						
Footings Not Accessible	100%							
Joint with Deck								
Generic	Location	Extent : Mod n : Header	\$148,900 lerate, Area Affecte Concrete eal, Extent : Modero		**			
		n : Through		ше, Агеи	Affectea . 50%			
Mat (scour & erosion) Earth	100%		oui	LIFE	* *			
Stem (breastwall)	100%			LIFE				
Concrete	90%			LIFE	* *			
Concrete	10%		\$20,000	LIFE	* *			
	Location Effloresce	n : Both Ab	t : Light, Area Affec		6			
W:11-	Locanoi	n . Inrough	ш					
Wingwalls Footings								
Not Accessible	100%							
Mat (scour & erosion)	10070							
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	85%			LIFE	* *			
Concrete	Location Spalling,	Extent : Ligh n : Through Extent : Lig	\$62,400 at, Area Affected : 2 yout aht, Area Affected : ast Wingwall		**			
Approaches			<u> </u>					
Pavement								
Asphalt			\$22,000 at, Area Affected : I sout	2026 '0%	\$1,099,700	4	\$15,300	
			oderate, Area Affect					
	Location	n : Approxi	mately 25 Feet Fro	m Bridge	West End			
Curbs Concrete w/ Steel Face	100%	1		LIFE	* *			

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

Bridge Structure	Current Repair	Futur	e Replacement	M		
System Component Type	% of Fail Date Estimated Cost Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches						
Embankment	1000/	LIEE	* *			
Earth	100%	LIFE	* *			
Mat (scour & erosion) Earth	100%	LIFE	* *			
Railings/Parapets	10070	LIITE				
Cast Stone	100%	LIFE	* *			
	Recent Replace Evident, Extent : Ligh Location : Begin Brick Wall		ected : 2%			
Steel	100%	LIFE	* *			
Sidewalks						
Concrete	100% 4+ \$49,100 Cracks, Extent: Light, Area Affected: Location: Random At Isolated Loca Settlement, Extent: Light, Area Affecte Location: Near The Beginning Of The Spalling, Extent: Light, Area Affected Location: Throughout	10% tions ed : 2% he Bridge	**			
Piers						
Cap Beam Not Accessible	100%					
Pier,Columns						
Steel	20% 4+ \$90,200 Corrosion, Extent : Light, Area Affecto Location : Random Localized Area		* *	2-8	\$214,100	
Steel	80%	LIFE	* *	2-8	\$214,100	
Stem,Solid Pier						
Concrete	80%	LIFE	* *			
Concrete	20% 4+ \$183,400 Cracks, Extent : Light, Area Affected : Location : Throughout		* *			
	Other Observation, Extent : Severe, A. Location : Pier 1	rea Affecte	d : 90%			
	Explanation: Covered With Wood P	lanks				
Brngs, Ancr Blts, Pads		_		_		
Not Accessible	100%					
Footings Not Accessible	100%					
Mat (scour & erosion) Earth	100%	LIFE	* *			
Piles						
Not Accessible	100%					
Deck Elements						

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

^{**} 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 I	Repair	Futur	e Replacement	М	aintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Peck Elements	•			•		•		•		
Curbs										
Concrete w/ Steel Face	90%			LIFE	* *					
Concrete w/ Steel Face	10%		\$6,600	LIFE	* *					
		Cracks, Extent: Light, Area Affected: 10%								
		n : At East J		. 1 700	,					
		is, Extent : n : Through	Severe, Area Affec	rea : 70%)					
		_	oui ht, Area Affected :	10%						
		n : At East J		10/0						
Railings/Parapets	<u> </u>	t . Th Bust o								
Concrete	100%			2034	* *	4	\$15,400			
Steel	100%			LIFE	* *	2-8	\$14,100			
	Other Ob	servation, E	Extent : Light, Area	Affected	: 100%					
	Location	n : Entire L	ength							
	Explana	tion : Chai	n Link Fence							
Sidewalks	000/			2020	ale ale	_	φ1 2 c00			
Concrete	80%		¢0.500	2030	* *	5	\$13,600			
Concrete	20%		\$9,500 at, Area Affected : 1	2030	* *	5	\$6,800			
		_	i, Area Ajjeciea . I l West Ends	0/0						
Wearing Surface										
Concrete	90%			2034	* *	5	\$81,400			
Concrete	10%	0-2	\$2,800	2034	* *	5	\$40,700			
	Cracks, Extent: Moderate, Area Affected: 5%									
	Location: Joint Header Concrete									
	Spalling, Extent: Light, Area Affected: 70%									
	Location: Over East Pier									
	Other Observation, Extent : Severe, Area Affected : 70% Location : Over East Pier									
			sı Fier e Steel Plates At D	ock Ioint						
uperstructure	Бърши	aion . Lurgi	Sicei I illes Al D	ek joint						
Deck,Structural										
Concrete	10%	4+	\$131,200	LIFE	* *	5	\$22,200			
	Spalling,	Extent : Mo	derate, Area Affec	ted : 70%	ó					
	Location	n : Over Ea	st Pier							
Concrete	90%			LIFE	* *	5	\$22,200			
Joints										
Generic	100%		\$7,800	LIFE	**					
	Exposed Reinforcement, Extent: Light, Area Affected: 5%									
	Location: Beneath The Sidewalk Along The Joint Location: Front: Moderate Area Affected: 100%									
	Leakage, Extent : Moderate, Area Affected : 100% Location : East Pier									
	Location : East Pier Missing/Damaged Seal, Extent : Moderate, Area Affected : 20%									
	Missing/Damagea Seat, Extent : Moderate, Area Affectea : 20% Location : Random Locations									
	Rust Stains, Extent: Moderate, Area Affected: 100%									
		n : Pier 3	0.0							

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

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

DEPARTMENT OF TRANSPORTATION - 841 49TH AVE. BRIDGE

Bridge Structure		Current Repair		Futur	e Replacement	M		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Steel	80%			LIFE	* *	2-8	\$373,400	
Steel	20%	4+	\$461,800	LIFE	* *	2-8	\$373,400	
	Corrosion	, Extent : N	Ioderate, Area Affe	cted : 5%	6			
	Location	ı : On Gird	er Flanges Near Ed	ıst Pier				
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$312,800	
	Corrosion	Corrosion, Extent: Light, Area Affected: 5%						
	Location	ı : Random	Locations Through	iout				

^{**} 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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$105,800	\$900	\$19,600	
Total	\$105,800	\$900	\$19,600	
Importance Code A	\$46,000		\$19,600	
Importance Code C	\$59,700	\$900		
Total	\$105,800	\$900	\$19,600	



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
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	1000/			LIDE	* *			
Concrete	100%			LIFE				
Brngs,Ancr Blts,Pads Steel	100%			LIFE	* *			
Footings Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Pedestals	1000/				de de			
Concrete	100%			LIFE	* *			
Stem (breastwall)	1000/			LIDE	* *			
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	90%			2026	\$104,000	4	\$2,800	
Asphalt		2-4 tent : Ligh : Both App	\$3,500 at, Area Affected : 1 proaches	2026	\$11,600	4	\$1,900	
Curbs								
Concrete w/ Steel Face	Location Vegetation	: At North Growth, I	\$14,200 Moderate, Area Affo weast Corner Extent : Light, Area Locations Through	Affected				
Embankment	Locuion	. Kanaom	Loculous Illougi	wii				
Earth	100%			LIFE	* *			
Mat (scour & erosion)	-0070							
Earth	100%			LIFE	* *			
Railings/Parapets	-							
Concrete	Location Spalling, E	: Through Extent : Lig	ght, Area Affected :	2%	* *			
	Location	: Random	Locations Through	nout				
Steel	100%			LIFE	* *			

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

^{**} 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	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Sidewalks	1000/	Ø1.4.700	r ree	ale ale			
Concrete	100% 4+ Cracks, Extent: Ligh Location: Through Settlement, Extent: L Location: East App	out Light, Area Affected		**			
	Vegetation Growth, I Location: Through	Extent : Light, Area	Affected	: 2%			
iers							
Cap Beam							
Concrete	100%		LIFE	* *			
Pier, Columns							
Concrete	100%		LIFE	* *			
Stem, Solid Pier	10070		- En E				
Concrete	100%		LIFE	* *			
Brngs, Ancr Blts, Pads	10070		DII L				
Steel	100%		LIFE	* *	2-8	\$3,000	
Footings	10070					ψ3,000	
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Pedestals							
Concrete	100%		LIFE	* *			
	Other Observation, I Location : East Ext	_		: 5%			
	Explanation : Steel	Rods Projecting O	ut Of Ped	lestal			
Piles							
Not Accessible	100%						
Oeck Elements							
Curbs							
Concrete w/ Steel Face	100% 4+ Cracks, Extent: Ligh Location: Through Rust Stains, Extent:	out Moderate, Area Afj		**			
Dailings/Dansasta	Location : Through	ош					
Railings/Parapets Concrete	100% 4+	\$25,900	2034	* *	4	\$5,300	
Concrete	Efflorescence, Extens Location: Random	t : Light, Area Affec	cted : 2%		4	\$5,300	
Steel	100% Other Observation, E Location: Through Explanation: Steel	Extent : Light, Area out	LIFE Affected	**	2-8	\$7,200	

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

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

DEPARTMENT OF TRANSPORTATION - 841 4TH AVE. BRIDGE

Bridge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Sidewalks								
Concrete	100%	4+	\$34,000	2030	* *	5	\$5,700	
		_	t, Area Affected : 2	%				
	Location	ı : Through	out					
	Spalling, I	Extent : Lig	ht, Area Affected :	5%				
	Location	ı : Along Si	dewalk Joint Head	ers				
Wearing Surface								
Asphalt	100%	4+	\$7,700	2026	\$154,300	5	\$6,900	
	Cracks, E.	xtent : Mod	lerate, Area Affecte	d: 10%				
	Location	ı : Through	out					
uperstructure								
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	
	Other Obs	servation, E	Extent : Light, Area	Affected	: 2%			
	Location	ı : Random	Locations Through	out				
	Explana	tion : Rust	Staining Evident					
Steel	100%			LIFE	* *	2-8	\$358,600	
	Other Obs	servation, E	Extent : Light, Area	Affected	: 5%		,	
			Flange Of Exterior					
		tion : Paint	0 0					
Secondary Member	•							
Not Accessible	100%							

^{**} 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 Agency's Number : N/A
Program / Asset # : DOT0171.000 / 13579 Yr Built/Renovated : 1995 /

Area Sq Ft : 18,200 Project Type : HIGHWAY BRIDGES

Date of Survey : 18-Nov-2013 Landmark Status : NONE

Areas Surveyed :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$158,300	\$360,300
Total	\$158,300	\$360,300
Importance Code A		\$180,100
Importance Code B		\$180,100
Importance Code C	\$158,300	
Total	\$158,300	\$360,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$65,800	\$2,000	\$36,100	
Total	\$65,800	\$2,000	\$36,100	
Importance Code A		\$2,000	\$18,100	
Importance Code B	\$28,000		\$18,100	
Importance Code C	\$37,800			
Total	\$65,800	\$2,000	\$36,100	



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

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

DEPARTMENT OF TRANSPORTATION - 841 86TH ST. BRIDGE

Asset #: 13579

Total (Years) 100% 25% 4+ Cracks, Extent: Light, Location: Random I Efflorescence, Extent: Location: Random I 75% 100% 100%	Locations Through: Light, Area Affect Locations Through	LIFE LIFE 2% toout cted: 2%	** ** **	Cycle (Yrs)	Estimated Cost	Priority
25% 4+ Cracks, Extent: Light, Location: Random I Efflorescence, Extent: Location: Random I 75% 100% 100%	, Area Affected : 2 Locations Through : Light, Area Affec Locations Through	LIFE 20% chout cted: 2% chout LIFE	**			
25% 4+ Cracks, Extent: Light, Location: Random I Efflorescence, Extent: Location: Random I 75% 100% 100%	, Area Affected : 2 Locations Through : Light, Area Affec Locations Through	LIFE 20% chout cted: 2% chout LIFE	**			
25% 4+ Cracks, Extent: Light, Location: Random I Efflorescence, Extent: Location: Random I 75% 100% 100%	, Area Affected : 2 Locations Through : Light, Area Affec Locations Through	LIFE 20% chout cted: 2% chout LIFE	**			
Cracks, Extent: Light, Location: Random I Efflorescence, Extent: Location: Random I 75% 100% 100% 45% 4+	, Area Affected : 2 Locations Through : Light, Area Affec Locations Through	2% hout cted : 2% hout LIFE	**			
Location : Random I 75% 100% 100% 45% 4+	Locations Through	LIFE				
100% 100% 45% 4+						
100% 100% 45% 4+		2045	* *			
45% 4+						
45% 4+						
Location : Random I Missing/Damaged Sea Location : Random I	Locations Through al, Extent : Light, A Locations Through	hout Area Affect hout	* * ted : 5%			
		5%				
55%		LIFE	* *			
Location: Both Abus	tments		0%			
-	-					
Location: Both Abus	tments					
1						
100%						
100%						
Location : Southeast Efflorescence, Extent . Location : Southeast Other Observation, Ex	And Southwest W Light, Area Affect And Southwest W Stent: Light, Area	Vingwalls cted : 5% Vingwalls Affected :	**			
	Leakage, Extent: Light Location: Random It Missing/Damaged Seat Location: Random It Spalling, Extent: Light Location: At Concre 55% 100% Other Observation, Extent: Behind 100% Other Observation, Extent Both Abus Explanation: Bot	Leakage, Extent: Light, Area Affected: Location: Random Locations Through Missing/Damaged Seal, Extent: Light, A Location: Random Locations Through Spalling, Extent: Light, Area Affected: Location: At Concrete Headers 55% 100% Other Observation, Extent: Light, Area Location: Both Abutments Explanation: Behind Station Platform 100% Other Observation, Extent: Light, Area Location: Both Abutments Explanation: Backwalls Partially Co 100% 100% 100% 100% \$4+\$	Leakage, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Missing/Damaged Seal, Extent: Light, Area Affected Location: Random Locations Throughout Spalling, Extent: Light, Area Affected: 5% Location: At Concrete Headers 55% LIFE 100% Other Observation, Extent: Light, Area Affected: Location: Both Abutments Explanation: Behind Station Platform Wall 100% LIFE Other Observation, Extent: Light, Area Affected: Location: Both Abutments Explanation: Backwalls Partially Covered By S 100% 100% 100% \$4+\$	Leakage, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Missing/Damaged Seal, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Spalling, Extent: Light, Area Affected: 5% Location: At Concrete Headers 55% LIFE ** 100% Other Observation, Extent: Light, Area Affected: 0% Location: Both Abutments Explanation: Behind Station Platform Wall 100% LIFE ** Other Observation, Extent: Light, Area Affected: 80% Location: Both Abutments Explanation: Behind Station Platform Walls 100% LIFE ** Other Observation, Extent: Light, Area Affected: 80% Location: Both Abutments Explanation: Backwalls Partially Covered By Station Walls 100% 100% 100% LIFE ** Cracks, Extent: Light, Area Affected: 2% Location: Southeast And Southwest Wingwalls Efflorescence, Extent: Light, Area Affected: 5% Location: Southeast And Southwest Wingwalls Other Observation, Extent: Light, Area Affected: 50%	Leakage, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Missing/Damaged Seal, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Spalling, Extent: Light, Area Affected: 5% Location: At Concrete Headers 55% LIFE ** 100% Other Observation, Extent: Light, Area Affected: 0% Location: Both Abutments Explanation: Behind Station Platform Wall 100% LIFE ** Other Observation, Extent: Light, Area Affected: 80% Location: Both Abutments Explanation: Bethind Station Platform Walls 100% LIFE ** Other Observation, Extent: Light, Area Affected: 80% Location: Both Abutments Explanation: Backwalls Partially Covered By Station Walls 100% 100% 100% LIFE ** Cracks, Extent: Light, Area Affected: 2% Location: Southeast And Southwest Wingwalls Efflorescence, Extent: Light, Area Affected: 5% Location: Southeast And Southwest Wingwalls Other Observation, Extent: Light, Area Affected: 50% Location: Northeast And Northwest Wingwalls	Leakage, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Missing/Damaged Seal, Extent: Light, Area Affected: 5% Location: Random Locations Throughout Spalling, Extent: Light, Area Affected: 5% Location: At Concrete Headers 55% LIFE ** 100% Other Observation, Extent: Light, Area Affected: 0% Location: Both Abutments Explanation: Behind Station Platform Wall 100% LIFE ** Other Observation, Extent: Light, Area Affected: 80% Location: Both Abutments Explanation: Behind Station Platform Walls 100% LIFE ** Other Observation, Extent: Light, Area Affected: 80% Location: Both Abutments Explanation: Backwalls Partially Covered By Station Walls 100% 100% LIFE ** Cracks, Extent: Light, Area Affected: 2% Location: Southeast And Southwest Wingwalls Efflorescence, Extent: Light, Area Affected: 5% Location: Southeast And Southwest Wingwalls Other Observation, Extent: Light, Area Affected: 50% Location: Northeast And Northwest Wingwalls

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	Curr	ent Repair	Future Replacement			aintenance	
System Component Type	% of Fail I Total (Yea	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Pavement							
Concrete	100% 4+	+,	2034	* *	4	\$44,200	
		Light, Area Affected :					
		dom Locations Throug					
		: Light, Area Affected :	5%				
	Location : Nor	thwest Approach					
Curbs Concrete w/ Steel Face	100%		LIDE	* *			
	100%		LIFE				
Embankment Earth	100%		LIFE	* *			
Mat (scour & erosion)	100%		LIFE				
Earth	100%		LIFE	* *			
Sidewalks	100/0		LITE	· ·			
Concrete	100%		LIFE	* *			
Concrete		Light, Area Affected : 2					
		dom Locations Throug					
Deck Elements							
Curbs							
Concrete w/ Steel Face	100%		LIFE	* *			
Mono Deck Surface							
Concrete	100% 4+	\$5,400	2045	* *	5	\$21,300	
	Cracks, Extent:	Light, Area Affected : :	5%				
	Location: Ran	dom Locations Throug	hout				
	Spalling, Extent	: Light, Area Affected :	1%				
	Location : Nea	r Northeast Abutment					
Railings/Parapets							
Concrete	100%		2034	* *	4	\$5,900	
	Other Observati	on, Extent : Light, Area	Affected	: 50%			
	Location: Bota						
	-	Concrete Parapet At So	uth Side (Of The Bridge And	Subway	Station At North	
Sidewalks	Side Of The Br	idge					
Sidewalks Concrete	100% 4+	\$46,800	2030	* *	5	\$6,700	
Concrete		Light, Area Affected :			3	\$0,700	
		ig The North Side Of T					
uperstructure	2002	-0 -10 1.0.111 5140 Of 1					
Deck,Structural							
Concrete	100%		LIFE	* *	5	\$20,000	
30.00.00		on, Extent : Light, Area		: 100%	C	\$20,000	
		oughout The Deck	33				
		Underside Covered Wit	h Stay - Ir	a - Place Forms Ex	xcept One	e Bay	
Joints	<u> </u>				-	<u> </u>	
Generic	100% 0-2	\$7,500	LIFE	* *			
		: Light, Area Affected :					
	_	ng The Joint Between A		nd Bridge Deck			
Primary Member							
Steel	100%		LIFE	* *	2-8	\$336,500	

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

Bridge Structure	Current Repair	Future Re	eplacement	Maintenance	
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year Es		Cycle Estimated Cost Yrs)	Priority
Superstructure Secondary Member Steel	100%	LIFE	** 2	2-8 \$281,900	

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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$112,100	\$3,300	\$96,400	\$15,300
Total	\$112,100	\$3,300	\$96,400	\$15,300
Importance Code A	\$34,200	\$2,800	\$47,500	
Importance Code B	\$23,300		\$48,800	
Importance Code C	\$54,700	\$500		\$15,300
Total	\$112,100	\$3,300	\$96,400	\$15,300



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

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

Asset #: 2440

Bridge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
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%		4.700	LIFE	* *			
Concrete	25%	4+	\$6,500	LIFE	* *			
			t, Area Affected : 1 On Bridge Seat	0%				
Backwall	Locuiton	. Ranaom	On Briage Seai					
Concrete	40%	4+	\$12,100	LIFE	* *			
		tent : Ligh	t, Area Affected : 2					
	Location	: At Begin	ning Abutment					
Concrete	60%			LIFE	* *			
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	* *			
Footings								
Not Accessible	100%							
Joint with Deck	4.00		4.0.00					
Generic	100%	4+	\$23,300	LIFE	* *			
			ent : Light, Area Af	rectea : 2	0%			
Mat (again & angainn)	Locuiton	. Ai begin	ning Abutment					
Mat (scour & erosion) Earth	100%			LIFE	* *			
Stem (breastwall)	100%			LIFE				
Concrete	100%			LIFE	* *			
Wingwalls	10070			LII L				
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	75%		44.52.200	LIFE	* *			
Concrete		4+	\$152,200		* *			
			lerate, Area Affecte Locations At End A		•			
			t : Light, Area Affed					
			Locations At End					
			derate, Area Affect					
			Locations At End A					
	Other Observation, Extent : Light, Area Affected : 25% Location : End Abutment							
	Explanat	ion : Obse	rvations Are Basea	! On 2012	2 N. Y. S. D. O. T.	Biennial	Report	
Feature Crossed								
Bank Protection								
Riprap	100%			LIFE	**			
			Extent : Light, Area	Affected	: 50%			
		: River Ba		ш . ъ	11 5 3			
	Explanat	ion : East	Bank Has Riprap,	West Ban	ık Is Earth			

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

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

Asset #: 2440

Bridge Structure	Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed							
Mat (scour & erosion)							
Generic	100%		LIFE	* *			
Approaches							
Pavement	000/		2026	Φ		#1.400	
Asphalt	80%	ΦΩ 200	2026	\$55,600	4	\$1,400	
Asphalt	20% 4+ Cracks, Extent : Ligh Location : Through		2026	\$13,900	4	\$1,000	
	Other Observation, E Location : At End A Explanation : Ruttir	pproaches	Area Affe	ected : 20%			
Concrete	100% 4+ Cracks, Extent : Ligh Location : East App		2034	**	4	\$15,400	
Curbs							
Concrete w/ Steel Face	100% Rust Stains, Extent : I Location : Both Abi		LIFE d : 50%	* *			
Embankment							
Earth	100%		LIFE	* *			
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Railings/Parapets							
Concrete	100%		2034	* *			
Steel	100%		LIFE	* *			
	Other Observation, E Location : Steel Rai Explanation : Steel Approach	ling On Both Appr	oaches		th 4-steel	Rails On East	
Sidewalks	прроцен						
Concrete	100% 4+ Cracks, Extent : Ligh Location : Through		LIFE 0%	* *			
Piers							
Cap Beam		.		_			
Concrete	100% 4+ Cracks, Extent: Ligh Location: Through	out		**			
	Spalling, Extent: Mo Location: Through		ed : 2%				

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

Asset #: 2440

idge Structure	Current Repair			Futur	e Replacement	Maintenance		
stem Component Type	% of 1 Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
rs	•							
Pier,Columns								
Concrete	100%	4+	\$141,100	LIFE	* *			
	Cracks, Ext	ent : Light	t, Area Affected : 5	%				
	Location .	: Through	out					
	Loss of Sec	tion, Exten	t : Light, Area Aff	ected: 25	%			
	Location	: Coping A	t Top Of Pier 3					
	Spalling, E.	xtent : Mod	derate, Area Affec	ted : 2%				
	Location .	: Through	out					
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	
			oderate, Area Affe)%		1 - 9-	
	Location		, 33					
	Other Obse	rvation. E.	xtent : Severe, Are	a Affecte	d : 20%			
		: Span 5 P		33				
		-	or Bolts Exposed					
Footings	- T							
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Pedestals								
Concrete	75%			LIFE	* *			
Concrete	25%	2-4	\$170,000	LIFE	* *			
			erate, Area Affecte					
			nd 6, Temporary S		t Pier 5			
Piles								
Not Accessible	100%							
ck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
	Rust Stains,	Extent : 1	Light, Area Affecte	d : 100%				
	Location .	: Pier 5 An	nd 6					
Guide Railing								
Steel	100%	4+	\$6,700	LIFE	* *			
	Loose Faste	enings, Ex	tent : Light, Area A	Affected :	2%			
	Location .	: Midspan	South Sidewalk					
		=	xtent : Light, Area	Affected	: 100%			
			Sides Of The Truss					
			gated Guide Rail	_	ipe Railing			
Median					. 0			
Concrete	100%			LIFE	* *	5	\$16,800	
Railings/Parapets	•							
Concrete	100%			2034	* *	4	\$8,400	
Steel	100%			LIFE	* *	2-8	\$32,500	
		Extent : 1	Light, Area Affecte				÷==,000	
		: Through	-					

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

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

System Total Tot	Bridge Structure		Current Repair			e Replacement	М	Maintenance		
Sidewalks	Component			Estimated Cost		Estimated Cost	-	Estimated Cost	Priority	
Concrete										
Concrete										
Cracks, Extent : Light, Area Affected : 25% Location : Throughout										
Vearing Surface	Concrete			,		* *	5	\$15,300		
Wearing Surface			_		5%					
Concrete		Location:	Through	out						
Cracks, Extent: Light, Area Affected: 5% Location: Throughout Recent Repair Evident, Extent: Light, Area Affected: 5% Location: Asphalt Patching Throughout Scupper Cast Iron 100% LIFE ** Superstructure Deck, Structural Concrete 85% LIFE ** 5 \$50,800 Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Cracks, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout, Concentrated At Piers 3 And 5 Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 80% LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Light, Area Affected: 6% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member		4000		.			_	***		
Location : Throughout Recent Repair Evident, Extent : Light, Area Affected : 5% Location : Asphalt Patching Throughout Scupper Cast Iron 100% LIFE ** Superstructure Deck,Structural Concrete 85% LIFE ** 5 \$50,800 Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Cracks, Extent : Light, Area Affected : 25% Location : Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent : Moderate, Area Affected : 5% Location : Throughout, Concentrated At Piers 3 And 5 Spalling, Extent : Light, Area Affected : 25% Location : Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 80% LIFE ** Broken/Missing Elements, Extent : Light, Area Affected : 5% Location : Throughout Loose Elements, Extent : Light, Area Affected : 5% Location : At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent : Light, Area Affected : 2% Location : Throughout Explanation : Paint Peeling Secondary Member	Concrete					* *	5	\$81,700		
Recent Repair Evident, Extent: Light, Area Affected: 5% Location: Asphalt Patching Throughout Scupper Cast Iron 100% LIFE ** Superstructure Deck,Structural Concrete 85% LIFE ** 5 \$50,800 Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Concrete 15% Location: Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 In Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Light, Area Affected: 5% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member					%					
Scupper Cast Iron 100% LIFE ** Superstructure Deck,Structural Concrete 85% LIFE ** 5 \$50,800 Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Cracks, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 80% LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Light, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member			U							
Scupper Cast Iron 100% LIFE **		=		_		cted : 5%				
Cast Iron 100% LIFE **		Location : A	Asphalt F	Patching Througho	ut					
Superstructure Deck, Structural Concrete 85%										
Deck,Structural Concrete 85% LIFE ** 5 \$50,800 Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Cracks, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 5% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member		100%			LIFE	* *				
Concrete										
Concrete 15% 4+ \$100,200 LIFE ** 5 \$50,800 Cracks, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Light, Area Affected: 5% Location: At Beginning Abutment Primary Member Steel 100% Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member							_			
Concrete State 1: Light, Area Affected : 25% Location : Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent : Moderate, Area Affected : 5% Location : Throughout Spalling, Extent : Light, Area Affected : 25% Location : Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent : Light, Area Affected : 5% Location : Throughout Loose Elements, Extent : Moderate, Area Affected : 0% Location : At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent : Light, Area Affected : 2% Location : Throughout Explanation : Paint Peeling Secondary Member										
Location: Throughout, Concentrated At Piers 3 And 5 Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member	Concrete					* *	5	\$50,800		
Exposed Reinforcement, Extent: Moderate, Area Affected: 5% Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member										
Location: Throughout Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member										
Spalling, Extent: Light, Area Affected: 25% Location: Throughout, Concentrated At Piers 3 And 5 Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member										
Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member			_							
Joints Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member										
Generic 80% LIFE ** Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member		Location : '	Through	out, Concentrated	At Piers	3 And 5				
Generic 20% 4+ \$11,000 LIFE ** Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member										
Broken/Missing Elements, Extent: Light, Area Affected: 5% Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member	Generic									
Location: Throughout Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member	Generic									
Loose Elements, Extent: Moderate, Area Affected: 0% Location: At Beginning Abutment Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member			-	_	t, Area Ą	ffected : 5%				
Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member		Location : '	Through	out						
Primary Member Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member		Loose Eleme	nts, Exte	nt : Moderate, Are	a Affecte	d:0%				
Steel 100% LIFE ** 2-8 \$854,100 Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member		Location : A	At Begini	iing Abutment						
Other Observation, Extent: Light, Area Affected: 2% Location: Throughout Explanation: Paint Peeling Secondary Member	Primary Member									
Location : Throughout Explanation : Paint Peeling Secondary Member	Steel	100%			LIFE	* *	2-8	\$854,100		
Explanation : Paint Peeling Secondary Member										
Secondary Member		Location:	Through	out						
·		Explanation	n : Paint	Peeling						
Steel 100% LIFE ** 2-8 \$715,500	Secondary Member									
	Steel	100%			LIFE	* *	2-8	\$715,500		

^{**} 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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$61,300	\$14,700	\$84,900	\$21,600
Total	\$61,300	\$14,700	\$84,900	\$21,600
Importance Code A	\$14,500		\$56,900	
Importance Code B	\$14,100		\$28,100	
Importance Code C	\$32,700	\$14,700		\$21,600
Total	\$61,300	\$14,700	\$84,900	\$21,600



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	М		
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	10070							
Steel			\$14,100 Extent : Light, Ared ler At East Abutme		* * d : 30%			
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%		424 500	2032	* *	4	\$43,200	
Concrete	Location Spalling,	i : Random Extent : Lig	\$31,600 at, Area Affected : 2 aht, Area Affected : aning Abutment Join	10%	**	4	\$43,200	
Curbs	Locanoi	i . Ai begir	ming Adulment Joh					
Concrete	100%			LIFE	* *			
Concrete w/ Steel Face	100%			LIFE	* *			
Pavement Base Not Accessible	100%			<u> </u>				
Sidewalks	10070							
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%							

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

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

DEPARTMENT OF TRANSPORTATION - 841 AMTRAK BRIDGE LEGGETT AVE/AMTRAK

Bridge Structure	Current Repair	Futur	e Replacement	N	laintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	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	* *				
	Spalling, Extent: Moderate, Area Affects			O(D	•		
_	Location : Corner Spall With Exposed			r Ој Ваг	rier 		
Concrete	95%	2036	**				
	Other Observation, Extent: Light, Area.	Affected	: 20%				
	Location: South Outer Barrier						
M. P	Explanation : Misaligned Tops						
Median Concrete	100%	LIDE	* *	5	\$7.700		
Concrete	Cracks, Extent : Light, Area Affected : 5	LIFE		5	\$7,700		
	Location: Where End Diagonals Meet						
Mono Deck Surface	Locuiton : where Lita Diagonals meet	meatan					
Concrete	100%	2043	* *	5	\$150,400		
Railings/Parapets	100/0	2013			Ψ120,100		
Steel	100%	LIFE	* *	2-8	\$18,700		
	Corrosion, Extent : Light, Area Affected				, -,		
	Location: Random						
Sidewalks							
Concrete	100%	2028	* *	5	\$29,400		
	Cracks, Extent: Light, Area Affected: 5	%					
	Location: Random On North Side						
Wearing Surface							
Concrete	100% 4+ \$57,000	2032	* *	5	\$82,600		
	Cracks, Extent: Light, Area Affected: 2	%					
	Location : Random						
	Other Observation, Extent : Light, Area	Affected	: 20%				
	Location: Throughout						
	Explanation : Scaling Of Wearing Surf	асе					
uperstructure							
Deck,Structural Not Accessible	100%						
Joints	10070						
Generic	100% 4+ \$1,100	LIFE	* *				
GCIICIIC	Misaligned/Bulging, Extent: Light, Area						
	Location : Joint Filler In Road And Sia						

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

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

DEPARTMENT OF TRANSPORTATION - 841 AMTRAK BRIDGE LEGGETT AVE/AMTRAK

Bridge Structure	Currer	t Repair	Futur	e Replacement	M	aintenance		
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Superstructure								
Primary Member								
Steel	5% 4+	\$6,593,700	LIFE	* *	2-8	\$523,200		
	Corrosion, Extent	Light, Area Affected	l : 2%					
	Location: Base Of End Diagonal Of Southwest Truss							
Steel	95%		LIFE	* *	2-8	\$523,200		
Not Accessible	100%							
	Other Observation	, Extent : Light, Area	Affected	: 0%				
	Location:							
	Explanation : Di	d Not Access Underst	de Of Tr	uss/deck				
Secondary Member								
Steel	100%		LIFE	* *	2-8	\$438,300		
	Other Observation, Extent : Light, Area Affected : 20%							
	Location: Throu	ghout						
	Explanation: Impact Damage To Top Lateral Cross Frames							
Not Accessible	100%							

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

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

: AVENUE H. BRIDGE AVENUE H./LIRR BAY RIDGE **Asset Name**

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

BIN **Block** Lot : 2243530

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$63,600		\$35,800	
Total	\$63,600		\$35,800	
Importance Code A	\$200		\$35,800	
Importance Code B	\$11,800			
Importance Code C	\$51,600			
Total	\$63,600		\$35,800	



Maintenance \$ are aggregated over a ten-year period. Site 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		Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals	1000/							
Not Accessible Backwall	100%							
Concrete	100%			LIFE	* *			
Concrete		ervation. F	Extent : Light, Area		: 100%			
	Location		2.00.000	11,500000	. 100/0			
			Fascia Area Was A	Accessibl	е			
Brngs, Ancr Blts, Pads	<u>*</u>							
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck			444.000					
Generic	5%	4+	\$11,800	LIFE	**			
	_	amagea Se : Both Ab	eal, Extent : Moder	ate, Area	Affectea : 20%			
.		. Doin Au	uimenis	LIEE	* *			
Generic	95%			LIFE	* *			
Mat (scour & erosion) Earth	100%			LIFE	* *			
Pedestals	100%			LIFE				
Concrete	100%			LIFE	* *			
Concrete		ervation, E	Extent : Light, Area		: 100%			
	Location		0 /	33				
	Explana	ion : Only	Fascia Area Was A	Accessible	e			
Stem (breastwall)								
Concrete	100%			LIFE	* *			
Vingwalls								
Footings	400-							
Not Accessible	100%							
Mat (scour & erosion)	1,000/			LIDE	* *			
Earth Piles	100%			LIFE				
Not Accessible	100%							
Walls	10070							
Concrete	100%			LIFE	* *			
approaches	10070							
Pavement								
Asphalt	7%	2-4	\$31,200	2025	\$312,200	4	\$12,100	
			ere, Area Affected :	40%				
	Location	: Both Ap	proaches					
Asphalt	93%			2025	\$4,147,600	4	\$18,100	
Concrete	100%	2-4	\$52,700	2033	* *	4	\$175,600	
			lerate, Area Affecte	ed: 20%				
	Location: Both Approaches							
	Other Observation, Extent : Light, Area Affected : 100% Location : Both Approaches							
				150 B	A 1.			
	Expianai	10n : 30 P	ercent Concrete An	a so Per	cent Aspnait			

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

^{**} 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	Curr	Current Repair Futur		e Replacement	M	aintenance	
System Component Type	% of Fail I Total (Yea	Date Estimated Cost (rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches							
Curbs							
Concrete w/ Steel Face	100% 2-4	' '	LIFE	* *			
	Location : Both	nt : Severe, Area Affecte Approaches	ea : 80%				
		rth, Extent : Moderate, 1	Area Affe	ected · 20%			
		th And South Sides	11 00 11990	2070			
Embankment							
Earth	100%		LIFE	* *			
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Sidewalks							
Concrete	100% 4+	+,	LIFE	* *			
		Light, Area Affected : I					
. —	Location : Kan	dom Locations Through	iout				
iers Cap Beam							
Cap Beam Concrete	100%		LIFE	* *			
Pier,Columns	10070		- LII L				
Concrete	100%		LIFE	* *			
Stem,Solid Pier							
Concrete	100%		LIFE	* *			
Brngs,Ancr Blts,Pads							
Steel	100%		LIFE	* *	2-8	\$14,200	
		on, Extent : Light, Area	Affected	: 100%			
	Location : Fase	ria Only Fascia Area Was A	1				
Footings	Explanation . (niy Fascia Area was F	iccessibie	e			
Not Accessible	100%						
Mat (scour & erosion)	10070						
Earth	100%		LIFE	* *			
Pedestals							
Concrete	100%		LIFE	* *			
		on, Extent : Light, Area	Affected	: 100%			
	Location : Fase		, ,				
Dilac	Explanation : (Only Fascia Area Was A	Accessible	e			
Piles Not Accessible	100%						
Deck Elements	100/0						
Curbs							
Concrete w/ Steel Face	100%		LIFE	* *			
Railings/Parapets							
Concrete	100%		2033	* *	4	\$600	
Steel	100%		LIFE	* *	2-8	\$9,100	
Sidewalks	1000	4.5 0.00	2020		-	4000	
Concrete	100% 4+	1 1	2029	* *	5	\$800	
		Light, Area Affected : 5 dom Locations Througl					
	Location . Ran	uom Locunons Inrougr	ш				

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

^{**} 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

ridge Structure	Current F	lepair	Futur	e Replacement	Maintenance			
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
perstructure								
Deck,Structural								
Concrete	100% 0-2	\$436,400	LIFE	* *	5	\$38,600		
	Cracks, Extent: Seven	re, Area Affected :	40%					
	Location: Random.	Locations Through	out					
	Spalling, Extent: Mod	derate, Area Affect	ed : 5%					
	Location: Random.	Locations Through	out					
	Other Observation, E.	xtent : Light, Area	Affected	: 100%				
	Location : Undersid	'e						
	Explanation: Under	rside Not Accessibl	e					
Primary Member								
Steel	100%		LIFE	* *	2-8	\$648,900		
	Other Observation, E.	xtent : Light, Area	Affected	: 100%				
	Location : Fascia							
	Explanation: Only	Fascia Area Was A	ccessibl	e				
Secondary Member								
Not Accessible	100%							

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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$100		\$5,500	\$117,100
Total	\$100		\$5,500	\$117,100
Importance Code A			\$5,500	\$83,600
Importance Code C	\$100			\$33,600
Total	\$100		\$5,500	\$117,100



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	М	aintenance		
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%								
Footings									
Not Accessible	100%								
Mat (scour & erosion)									
Generic	100%			LIFE	* *				
Walls									
Concrete	90%		***	LIFE	* *				
Concrete	10%	4+	\$13,815,800	LIFE	**				
		_	ients, Extent : Seve	re, Area	Affected: 85%				
	Location	: Random							
Vingwalls									
Footings Not Accessible	100%								
	100%								
Mat (scour & erosion)	1,000/			LIDD	* *				
Generic	100%			LIFE					
Piles Not Accessible	100%								
Walls	100%								
Concrete	70%			LIFE	* *				
Concrete	30%	4+	\$28,182,800	LIFE	* *				
Concrete	Broken/M		ients, Extent : Seve						
				00/					
		_	t, Area Affected : 1 Left Wingwall	0%					
		_	-	1 . 1/	20/				
		nons, Exter t : End Left	it : Light, Area Affe	естеа : 10	J%0				
		-	-	1 a 1 ff	antad . 100/				
		einjorcem : Random	ent, Extent : Light,	Area Ajje	eciea : 10%				
pproaches									
Pavement									
Asphalt	90%			2024	\$3,600,100	4	\$67,100		
Asphalt	10%	4+	\$120,000	2024	\$400,000	4	\$67,100		
			t, Area Affected : 1	0%					
		: Random							
		t, Extent : I t : Random	ight, Area Affected	l : 10%					
		Extent : Lig 1 : Random	ht, Area Affected :	10%					
Curbs									
Concrete	100%			LIFE	* *				
Concrete w/ Steel Face	100%			LIFE	* *				
Pavement Base Not Accessible	100%								

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

^{**} 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	Curren	t Repair	Futur	e Replacement	М	aintenance		
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches								
Sidewalks	050/		LIDE	* *				
Concrete	95% 5% 4+	\$100	LIFE LIFE	* *				
Concrete		\$100 ght, Area Affected : 5						
	Location : End Ap		, , 0					
		Light, Area Affected	l : 5%					
	Location : End Ap							
Piers								
Stem,Solid Pier								
Concrete	95%		LIFE	* *				
Concrete	5% 4+	\$40,500	LIFE	* *				
		Extent: Light, Area	Affected	: 10%				
	Location : Rando							
Fastings	Explanation : Bro	ken/Missing Elemen	t					
Footings Not Accessible	100%							
Mat (scour & erosion)	10070							
Generic	100%		LIFE	* *				
Deck Elements								
Curbs								
Concrete	100%		2043	* *				
Concrete w/ Steel Face	100%		LIFE	* *				
Granite	100%		LIFE	* *				
Median	1.000/			ale ale	_			
Concrete	100%	Entant . Light Ange	LIFE	**	5			
	Vegetation Growth, Extent : Light, Area Affected : 2% Location : Random							
		m Extent : Light, Area	Affected	. 75%				
	Location : Rando		Пусстей	. 7370				
		tery Park (pavers, G	rass, Asp	ohalt Areas)				
Steel Grating	100%		LIFE	* *	4-8			
Railings/Parapets								
Concrete	95%		2032	* *	4	\$167,100		
Concrete	5% 2-4	\$157,600	2032	* *	4	\$167,100		
	•	ght, Area Affected : I on Impact At North I						
	-	Extent : Light, Area A on Impact At North I		5%				
		Extent : Light, Area		: 5%				
	Location : North							
	Explanation : Cap	Stone Is Separated	From Th	e Concrete Parape	et Wall			
Steel	100% 4+	\$89,200	LIFE	* *	2-8	\$153,000		
		Extent : Light, Area	Affected :	2%		•		
	Location: North	End						

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

^{**} 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

Bridge Structure	Current F	Current Repair Future Replacement		Current Repair Future Replacement Maintenance		Current Repair		air Future Replacement Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Deck Elements										
Sidewalks										
Concrete	100%		2028	* *	5	\$108,000				
Granite Paver	100%		LIFE	* *						
	Other Observation, E	xtent : Light, Area	Affected	: 100%						
	Location : North Fa	ıscia								
	Explanation: Paver	rs At North Fascia								
Wearing Surface										
Asphalt	90%		2024	\$5,859,100	5	\$604,200				
Asphalt	10% 4+	\$130,200	2024	\$651,000	5	\$302,100				
	Cracks, Extent: Ligh	t, Area Affected : 1	0%							
	Location: Random									
	Settlement, Extent : L	ight, Area Affectea	! : 10%							
	Location: Random	30								
Superstructure										
Primary Member										
Concrete	90%		LIFE	* *	5	\$360,100				
Concrete	10% 4+	\$590,200	LIFE	* *	5	\$360,100				
	Broken/Missing Elem		t, Area A	ffected : 10%		. ,				
	Location : Random	,		,,,						

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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$105,300			\$2,400
Total	\$105,300			\$2,400
Importance Code B	\$34,300			
Importance Code C	\$71,000			\$2,400
Total	\$105,300			\$2,400



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Bridge Structure	Curre	ent Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail D Total (Yea	ate Estimated Cost rs)	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+ Efflorescence, Ex Location : Thro	\$102,500 ctent : Light, Area Affeo cughout	LIFE cted : 20%	**			
Concrete	85%		LIFE	* *			
Tile	100% 4+ Broken/Missing I Location: Rand Rust Stains, Exten Location: At V Other Observation Location: Thro	on, Extent : Light, Area oughout	LIFE t, Area Aj hout d : 2% Affected	: 2%			
Vingwalls	Explanation : C	Ceramic Tiles Obscure	view Of S	ыгисти <i>га</i> н жан			
Footings Not Accessible	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Piles							
Not Accessible	100%						
Walls Concrete	100%		LIFE	* *			
pproaches	10070		DII D				
Pavement Asphalt	Location : Both Other Observation Location : Begi	on, Extent : Light, Area nning Approach	Affected	\$773,100 : 2%	4	\$12,400	
Concrete	100% 4+ Cracks, Extent:	tutting, Uneven Pavem \$46,700 Light, Area Affected : 2 Iom Locations Through	2034	* *	4	\$92,500	

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

^{**} 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

st Priority							
st Filority							
Delaminations, Extent : Light, Area Affected : 15% Location : Throughout							

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

^{**} 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

System 100% 100% 11FE 100% 11FE 100% 11FE	Bridge Structure		Current	Repair	Futur	e Replacement	M	aintenance	
Concrete Concrete Concrete 100% 2045 **	Component			Estimated Cost		Estimated Cost	-	Estimated Cost	Priority
Concrete	eck Elements	•			•				•
Concrete Concrete	Curbs								
Location : Throughout Explanation : Deck Elements Curbs Are 50 Percent Concrete And 50 Percent Concrete With Steel Face 100%	Concrete	100%			2045	* *			
Steel Face 100%				_	Affected	! : 100%			
Rust Stains, Extent: Moderate, Area Affected: 70% Location: Throughout				Elements Curbs A	re 50 Pei	rcent Concrete And	! 50 Perc	ent Concrete With	
Location : Throughout	Concrete w/ Steel Face	100%			LIFE	* *			
Location : Throughout Explanation : Deck Elements Curbs Are 50 Percent Concrete With Steel Face And 50 Percent Concrete Percent Concrete					^f ected : 7	70%			
Explanation : Deck Elements Curbs Are 50 Percent Concrete With Steel Face And 50 Percent Concrete					Affected	: 100%			
Steel 100%				Elements Curbs A	re 50 Pei	rcent Concrete Wit	h Steel F	ace And 50	
Sidewalks	_								
Asphalt		100%			LIFE	* *			
Cracks, Extent: Light, Area Affected: 2% Location: Plaza Entrance To Station Building									
Concrete	Asphalt					\$77,200	4	\$17,900	
Concrete			_						
Cracks, Extent: Light, Area Affected: 10% Location: Throughout Wearing Surface Asphalt 100% 4+ \$34,900 2026 \$698,500 5 \$31,100 Cracks, Extent: Light, Area Affected: 5% Location: Throughout Other Observation, Extent: Light, Area Affected: 20% Location: Inside Station Building Explanation: Floor Of Station Building Is Tiled uperstructure Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	Concrete	60%			2030	* *	5	\$4,800	
Wearing Surface Asphalt 100% 4+ \$34,900 2026 \$698,500 5 \$31,100 Cracks, Extent: Light, Area Affected: 5% Location: Throughout Other Observation, Extent: Light, Area Affected: 20% Location: Inside Station Building Explanation: Floor Of Station Building Is Tiled sperstructure Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	Concrete	40%	4+	\$11,600	2030	* *	5	\$2,400	
Asphalt 100% 4+ \$34,900 2026 \$698,500 5 \$31,100 Cracks, Extent: Light, Area Affected: 5% Location: Throughout Other Observation, Extent: Light, Area Affected: 20% Location: Inside Station Building Explanation: Floor Of Station Building Is Tiled Apperstructure Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout			_	t, Area Affected : I	0%				
Asphalt 100% 4+ \$34,900 2026 \$698,500 5 \$31,100 Cracks, Extent: Light, Area Affected: 5% Location: Throughout Other Observation, Extent: Light, Area Affected: 20% Location: Inside Station Building Explanation: Floor Of Station Building Is Tiled ****** Primary Member Concrete 40% 4+ \$750,600 LIFE *** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	Wearing Surface								
Cracks, Extent: Light, Area Affected: 5% Location: Throughout Other Observation, Extent: Light, Area Affected: 20% Location: Inside Station Building Explanation: Floor Of Station Building Is Tiled Apperstructure Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10%		100%	4+	\$34,900	2026	\$698,500	5	\$31,100	
Location: Inside Station Building Explanation: Floor Of Station Building Is Tiled Inperstructure Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	-		_		5%				
Explanation : Floor Of Station Building Is Tiled uperstructure Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent : Light, Area Affected : 10% Location : Throughout Delaminations, Extent : Light, Area Affected : 20% Location : Throughout Spalling, Extent : Light, Area Affected : 20% Location : Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent : Moderate, Area Affected : 20% Location : Throughout Efflorescence, Extent : Severe, Area Affected : 10% Location : Throughout		Other Ob	servation, E	Extent : Light, Area	Affected	! : 20%			
Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout		Locatio	n : Inside Si	tation Building					
Primary Member Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout		Explana	tion : Floor	r Of Station Buildir	g Is Tile	d			
Concrete 40% 4+ \$750,600 LIFE ** 5 \$250,600 Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	perstructure								
Cracks, Extent: Light, Area Affected: 10% Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	Primary Member								
Location: Throughout Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout	Concrete	40%	4+	\$750,600	LIFE	* *	5	\$250,600	
Delaminations, Extent: Light, Area Affected: 20% Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout					0%				
Location: Throughout Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout		Location	n : Through	out					
Spalling, Extent: Light, Area Affected: 20% Location: Throughout Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout		Delamina	tions, Exter	nt : Light, Area Affe	ected : 20	0%			
Concrete Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout		Location	n : Through	out					
Concrete 60% 2-4 \$2,251,700 LIFE ** 5 \$250,600 Cracks, Extent: Moderate, Area Affected: 20% Location: Throughout Efflorescence, Extent: Severe, Area Affected: 10% Location: Throughout		Spalling,	Extent : Lig	ht, Area Affected :	20%				
Cracks, Extent : Moderate, Area Affected : 20% Location : Throughout Efflorescence, Extent : Severe, Area Affected : 10% Location : Throughout		Locatio	n : Through	out					
Cracks, Extent : Moderate, Area Affected : 20% Location : Throughout Efflorescence, Extent : Severe, Area Affected : 10% Location : Throughout	Concrete	60%	2-4	\$2,251,700	LIFE	* *	5	\$250,600	
Efflorescence, Extent : Severe, Area Affected : 10% Location : Throughout		Cracks, E	xtent : Moa	lerate, Area Affecte				•	
		Effloresce	ence, Exten	t : Severe, Area Aff	ected : 10	0%			
EMPOREM REMITTIONELL, EMEIN , DEVELE, THEM THELIEU , 1070					Area A	ffected · 10%			
Location: Throughout		-	-		, 111еи Ај	усски. 10/0			

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

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$90,000		\$24,800	
Total	\$90,000		\$24,800	
Importance Code A	\$34,200		\$24,800	
Importance Code B	\$13,400			
Importance Code C	\$42,400			
Total	\$90,000		\$24,800	



Maintenance \$ are aggregated over a ten-year period. Site 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	Curren	nt Repair	Future Replacement		Future Replacement Maintena		ice	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year E FY	Stimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
butments								
Bridge Seat&pedestals Not Accessible	100%							
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Steel	Location: Under	, Extent : Light, Area side Of Bridge t Accessible For Insp			Elaaman			
Footings	Explanation . No	i Accessible For Insp	есноп. кед	uires Kanroaa r	iagman			
Not Accessible	100%							
Joint with Deck Steel	100%		LIFE	* *				
Mat (scour & erosion)	10070		DII D					
Earth	100%		LIFE	* *				
Stem (breastwall)								
Concrete	10% 4+ Efflorescence, Exte Location : Rando	\$13,400 ent : Light, Area Affeo om Locations	LIFE cted: 5%	* *				
Concrete	90%		LIFE	* *				
Walls								
Not Accessible	100%							
Vingwalls .								
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%		LIFE	* *				
Piles								
Not Accessible	100%							
Walls Not Accessible	1000/							
	100%							
pproaches Pavement								
Asphalt	Location : Through Settlement, Extent Location : At East	- : Light, Area Affected st Approach	1: 10%	\$696,400	4	\$14,900		
	Location: Through	, Extent : Light, Area ghout tal Pavement Area Co			lt And 50) Percent		
Concrete	Location: At Bot	Light, Area Affected :		* *	4	\$57,000		

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

^{**} 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 I	Repair	Futur	e Replacement	M	aintenance	
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			\$3,600 ht, Area Affected : Locations	LIFE 5%	* *			
Embankment								
Earth	100%			LIFE	* *			
Guide Railing								
Concrete	Location	issing Elen 1 : Random	\$3,200 nents, Extent: Mod Locations Extent: Light, Area			4	\$1,100	
	Location Explana 50 Perce	ı: West Ap	proach South Side Guide Railing Con	sists Of	20 Percent Concre	ete, 30 Pe		
Steel	100%			LIFE	* *	2-8	\$1,700	
Timber	100%	4+	\$7,700	2025	\$38,400	4	\$1,600	
			t, Area Affected : 1					
	Other Obs	servation, E	Throughout Timbe Extent : Light, Area proach South End er Railing		: 100%			
Mat (scour & erosion)	Влрини	uon . 1 imo	er Ranning					
Earth	100%			LIFE	* *			
Sidewalks	10070			LII L				
Concrete	Location Spalling,	ı : Random	ht, Area Affected :		**			
Piers	Documor	i . Ranaom	Locuitons					
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	100%							

Maintenance \$ are aggregated over a ten-year period. Site 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	Ма	intenance
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost Priori
Deck Elements				
Curbs				
Concrete	100%	2044 **		
	Other Observation, Extent : Light, Area Location : North Side Curb	a Affectea : 100%		
	Explanation : North Side Curb Is Cor	narata With Steel Face And I	Congrata	Paadway Rarriar
	At South Side.	creie wiin Sieei Pace Ana C	Soncreie 1	хошина Вигнег
Guide Railing				
Concrete	100% 4+ \$8,300	2037 **		
	Exposed Reinforcement, Extent: Light,			
	Location: South Face Of Concrete B			
	Spalling, Extent : Light, Area Affected			
	Location: South Face Of Concrete B			
	Other Observation, Extent: Light, Area			
	Location: Along The South Side Of T			
D - 'II' /D (-	Explanation : Concrete Guide Rail W	ith Steel Fencing		
Railings/Parapets Concrete	100%	2033 **	4	\$1,700
Steel	100% 4+ \$10,900	LIFE **	2-8	\$9,500
Steel	Corrosion, Extent : Light, Area Affected		2-0	Ψ2,500
	Location : Exterior Surface			
	Loss of Section, Extent : Light, Area Af	fected : 2%		
	Location : Exterior Face			
Sidewalks				
Concrete	100% 4+ \$10,900	2029 * *	5	\$6,000
	Cracks, Extent: Light, Area Affected:	1%		
	Location: Random Locations			
	Other Observation, Extent : Light, Area	a Affected : 50%		
	Location : South Sidewalk	10 7 7		
W . C .	Explanation : Sidewalk Is Partially F	enced Out For Construction	ı	
Wearing Surface Concrete	100%	2033 **	5	\$129,100
Superstructure	10070	2033	<u> </u>	φ149,100
Deck,Structural				
Not Accessible	100%			
Primary Member				
Steel	100% 4+ \$922,900	LIFE **	2-8	\$454,600
	Corrosion, Extent : Light, Area Affecte			,
	Location : Fascia Girder On Bottom	Flange		
Secondary Member				
Not Accessible	100%			
	Location : Fascia Girder On Bottom			

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$24,700	\$400	\$66,000	\$2,700
Total	\$24,700	\$400	\$66,000	\$2,700
Importance Code A	\$6,700		\$700	\$1,100
Importance Code B	\$2,900		\$65,300	
Importance Code C	\$15,100	\$400		\$1,600
Total	\$24,700	\$400	\$66,000	\$2,700



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

^{**} 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 R	epair	Future	Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Backwall	1000/			de de			
Concrete	100%		LIFE	* *			
Brngs, Ancr Blts, Pads	1000/						
Not Accessible Footings	100%						
Not Accessible	100%						
Joint with Deck	100/0						
Not Accessible	100%						
Mat (scour & erosion)							
Generic	100% 4+	\$2,900	LIFE	* *			
	Spalling, Extent : Ligh	nt, Area Affected :	2%				
	Location : Pothole A	At Northwest End C	Of Tunnel				
Stem (breastwall)							
Brick	100%		LIFE	* *			
Wingwalls							
Footings	1000/						
Not Accessible	100%						
Mat (scour & erosion) Generic	100% 4+	\$8,300	LIFE	* *			
Generic	Spalling, Extent : Ligh						
	Location : Small Ra		10,0				
Piles							
Not Accessible	100%						
Walls							
Brick	100%		LIFE	* *			
Concrete	100% 4+	\$373,800	LIFE	* *			
	Broken/Missing Eleme	ents, Extent : Light	t, Area A <u>f</u>	fected : 10%			
	Location : Joint Fill		_	oint			
	Cracks, Extent : Light		%				
	Location: Northwes	_					
	Spalling, Extent : Ligh		2%				
	Location : Southwes	· ·					
	Other Observation, Ex	xtent : Light, Area	Affected	: 20%			
	Location : Random	D # D !					
	Explanation: Minor	Peeling Paint					
Approaches							
Pavement Asphalt	100%		2024	\$181,300	4	\$3,200	
Curbs	100/0		2024	φ101,300	+	φ3,200	
Concrete	100%		LIFE	* *			
Embankment	100/0		ин и				
Earth	100%		LIFE	* *			

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

^{**} 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		Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cos	Cycle (Yrs)	Estimated Cost	Priority
Approaches Guide Railing Concrete	100%	¢4.700	2032	*		\$25.700	
Steel	100% 4+ Broken/Missing Elema Location: Northern Corrosion, Extent: Li Location: Random	Approach			* 2-8	\$25,700	
Pavement Base							
Not Accessible	100%						
Sidewalks							
Concrete	100% Cracks, Extent: Light Location: Random Vegetation Growth, E. Location: At Cracks	xtent : Light, Area		* l: 10%	*		
Piers							
Cap Beam Concrete Encased Steel	100%		LIFE	*	* 5		
Pier,Columns Steel	100% Corrosion, Extent : Li		LIFE : 10%	*	* 2-8	\$937,500	
	Location: Througho Other Observation, Ex Location: At Span I Explanation: Impac	xtent : Light, Area	Affected	: 10%			
Stem,Solid Pier	· ·	Ü					
Concrete	100%		LIFE	*	*		
Footings Not Accessible	100%						
Mat (scour & erosion)	1000/		LICE	*	.		
Generic Deck Elements	100%		LIFE	*	т —		
Deck Elements Curbs							
Concrete	100%		2043	*	*		
Concrete	Vegetation Growth, E. Location: At Joints	xtent : Light, Area		l : 10%			
Gratings							
Steel	100%		LIFE	*	*		
Guide Railing							
Concrete	100%		2036	*	*		
	Other Observation, Explanation: Pacific	put	Affected	: 30%			
C. 1	Explanation : Peelin	<u> </u>	TIPP	-4-	Ψ		
Steel	100% 4+ Broken/Missing Elemo Location: Broken Si			* ffected : 5%	ጥ		

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

^{**} 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

Bridge Structure	Current Repair		Futur	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								
Concrete	100%			2032	**	4	\$2,100	
			Extent : Light, Area	Affected	: 20%			
		n : Random						
G' 1 11	Explana	ttion : Mino	r Scaling And Peel	ing Paini	t			
Sidewalks Concrete	100%			2028	* *	5	\$800	
Concrete			t, Area Affected : 5			3	\$600	
		xieni . Lign n : Random		//0				
Wearing Surface	Locuitor	i . Ranaom						
Asphalt	100%	4+	\$6,700	2024	\$337,400	5	\$17,100	
Asphan			t, Area Affected : 5		Ψ337, 1 00	3	φ17,100	
		n : Transvei		, 0				
Superstructure								
Deck, Structural								
Concrete	40%			LIFE	* *	5	\$36,200	
Concrete	60%	2-4	\$969,500	LIFE	* *	5	\$36,200	
	Cracks, E	xtent : Ligh	t, Area Affected : 2	20%				
	Location	n : On Unde	erside Of Deck					
		_	ht, Area Affected :	20%				
	Location	n : On Unde	erside Of Deck					
Joints								
Not Accessible	100%							
Primary Member								
Concrete Encased Steel	100%		\$545,800	LIFE	**	5	\$165,800	
			Extent : Light, Area	Affected	: 80%			
		n : Random						
<u> </u>	Explana	tion : Peeli	ng Paint					
Secondary Member	1,000/	4	¢105.200	LIDE	* *	2.0	¢500,500	
Steel	100%		\$105,200	LIFE		2-8	\$509,500	
		servation, E n : Random	Extent : Light, Area	Ајјестеа	: 30%			
	Ехріапа	tion : Paint	геенид					

Maintenance \$ are aggregated over a ten-year 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$69,200	\$47,600	\$48,000	
Total	\$69,200	\$47,600	\$48,000	
Importance Code A	\$8,400	\$26,300	\$27,500	
Importance Code B	\$32,000		\$20,400	
Importance Code C	\$28,700	\$21,300		
Total	\$69,200	\$47,600	\$48,000	



Maintenance \$ are aggregated over a ten-year period. Site 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 Rep	lacement	Mainten	ance	
System Component Type	% of Fail Date Estimated Total (Years)	d Cost Year Estin FY		Cycle Estin (Yrs)	nated Cost	Priority
Abutments						
Bridge Seat&pedestals						
Concrete	100%	LIFE	* *			
Backwall	1000/	LIEE	* *			
Concrete	100%	LIFE				
Brngs,Ancr Blts,Pads Not Accessible	100%					
Footings	10070					
Not Accessible	100%					
Joint with Deck	10070					
Generic	100% 4+ \$2	1,400 LIFE	* *			
	Missing/Damaged Seal, Extent:	*	15%			
	Location : North Abutment					
	Spalling, Extent : Light, Area Af	fected : 5%				
	Location : At Concrete Header	S				
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
Pedestals						
Concrete	100%	LIFE	* *			
Stem (breastwall)						
Concrete		0,700 LIFE	* *			
	Cracks, Extent : Light, Area Affe	ected: 5%				
	Location: Both Abutments					
Concrete	85%	LIFE	* *			
Masonry	100%	LIFE	* *			
Wingwalls						
Footings	1000/					
Not Accessible	100%					
Mat (scour & erosion) Earth	100%	LIFE	* *			
Piles	100/0	LIFE				
Not Accessible	100%					
Walls	10070					
Concrete	5% 4+ \$4:	5,300 LIFE	* *			
00.000	Cracks, Extent : Light, Area Affe					
	Location: Random Locations					
	Efflorescence, Extent : Light, Ar	ea Affected : 5%				
	Location: Random Locations					
	Spalling, Extent : Light, Area Af					
	Location: Random Locations	Throughout				
Concrete	95%	LIFE	* *			
Masonry: Stone	100%	LIFE	* *			
Approaches						

Approaches

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

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

DEPARTMENT OF TRANSPORTATION - 841 CONEY ISLAND AVE. BRIDGE

Asset #: 13577

(Years) (4+ Extent: Ligh on: Random Extent: Ligh on: Random bon: Random ch bon: At South nation: Eart bservation, I con: Both Ea	\$37,100 ht, Area Affected: a Locations Throug ght, Area Affected a Locations Throug the Locations Throug Extent: Light, Area h Embankment Extent: Light, Area to the Light of the Location of	2026 15% ghout : 5% ghout 2026 LIFE LIFE a Affected 2034 a Affected opers	**	4 4 4	\$42,700 \$64,000 \$65,100	Priority
Extent: Ligion: Random, Extent: Ligion: Random, Kandom, Kandom, Kandom, Kandom, Kandom: At South action: Eart, Kon: Both Eart, Con: Both Eart, Con: Steel	ht, Area Affected: a Locations Throug ght, Area Affected a Locations Throug Extent: Light, Area twest Approach h Embankment Extent: Light, Area st And West Parap	ahout about 2026 LIFE LIFE a Affected a Affected actorists Concrete a	\$794,800 ** ** :100%	4	\$64,000	
Extent: Ligion: Random, Extent: Ligion: Random, Kandom, Kandom, Kandom, Kandom, Kandom: At South action: Eart, Kon: Both Eart, Con: Both Eart, Con: Steel	ht, Area Affected: a Locations Throug ght, Area Affected a Locations Throug Extent: Light, Area twest Approach h Embankment Extent: Light, Area st And West Parap	ahout about 2026 LIFE LIFE a Affected a Affected actorists Concrete a	\$794,800 ** ** :100%	4	\$64,000	
Extent: Ligion: Random, Extent: Ligion: Random, Kandom, Kandom, Kandom, Kandom, Kandom: At South action: Eart, Kon: Both Eart, Con: Both Eart, Con: Steel	ht, Area Affected: a Locations Throug ght, Area Affected a Locations Throug Extent: Light, Area twest Approach h Embankment Extent: Light, Area st And West Parap	ahout about 2026 LIFE LIFE a Affected a Affected actorists Concrete a	\$794,800 ** ** :100%	4	\$64,000	
on: Random , Extent: Lig on: Random % % % bservation, I action: Eart bservation, I action: Steel	a Locations Through, Area Affected a Locations Through the Locations Through the Extent: Light, Area the Embankment Extent: Light, Area the Locations the Locations the Light, Area the Light,	ghout : 5% ghout 2026 LIFE LIFE a Affected : 2034 a Affected : pets Concrete in	** ** *100%			
, Extent: Ligon: Random % % % bservation, I pation: Eart bservation, I pation: Eart son: Both Ea pation: Steel	ght, Area Affected a Locations Throug Extent: Light, Area west Approach h Embankment Extent: Light, Area ast And West Para	2026 LIFE LIFE a Affected a Affected opets Concrete of	** ** *100%			
on: Random % % % bservation, I on: At South nation: Eart bservation, I on: Both Ea nation: Steel	Extent : Light, Area west Approach h Embankment Extent : Light, Area ast And West Parap	LIFE LIFE a Affected 2034 a Affected opets Concrete of	** ** *100%			
% bservation, I on : At South nation : Eart bservation, I bservation, I on : Both Ea nation : Steel	Extent : Light, Are hwest Approach h Embankment Extent : Light, Are ast And West Parap	2026 LIFE LIFE a Affected 2034 a Affected opers	** ** *100%			
% bservation, I on: At South nation: Eart bservation, I bservation, I on: Both Ea	hwest Approach h Embankment Extent : Light, Are ust And West Parap	LIFE LIFE a Affected 2034 a Affected opers	** ** *100%			
% bservation, I on : At South nation : Eart bservation, I bservation, I on : Both Ea nation : Steel	hwest Approach h Embankment Extent : Light, Are ust And West Parap	LIFE a Affected 2034 a Affected opers Concrete	**	4	\$65,100	
% bservation, I on : At South nation : Eart bservation, I bservation, I on : Both Ea nation : Steel	hwest Approach h Embankment Extent : Light, Are ust And West Parap	LIFE a Affected 2034 a Affected opers Concrete	**	4	\$65,100	
bservation, I on: At South nation: Eart bservation, I on: Both Ea nation: Steel	hwest Approach h Embankment Extent : Light, Are ust And West Parap	a Affected . 2034 a Affected . pets Concrete i	**	4	\$65,100	
bservation, I on: At South nation: Eart bservation, I on: Both Ea nation: Steel	hwest Approach h Embankment Extent : Light, Are ust And West Parap	a Affected . 2034 a Affected . pets Concrete i	**	4	\$65,100	
on: At South nation: Eart % bservation, I on: Both Ea nation: Steel	hwest Approach h Embankment Extent : Light, Are ust And West Parap	2034 a Affected . pets Concrete i	**	4	\$65,100	
nation : Eart % bservation, I on : Both Ea nation : Steel	h Embankment Extent : Light, Are sst And West Parap	a Affected . pets Concrete I	: 100%	4	\$65,100	
% bservation, I on : Both Ea nation : Steel	Extent : Light, Are	a Affected . pets Concrete I	: 100%	4	\$65,100	
bservation, I on : Both Ea aation : Steel	st And West Parap	a Affected . pets Concrete I	: 100%	4	\$65,100	
on : Both Ea nation : Steel	st And West Parap	oets Concrete I				
nation : Steel	=	Concrete	Parapet			
	l Fence On Top Of		Parapet			
%		LIFE	1			
			* *	2-8	\$44,200	
%		LIFE	* *			
% 4+	\$8,400	LIFE	* *			
	ght, Area Affected	: 2%				
on : North A	pproach					
	Φ.σ. 100	r ree	ماد ماد			
			* *			
_						
	_					
		a. 270				
	est 12pp rottert					
%		LIFE	* *	2-8	\$124,800	
%		LIFE	* *			
bservation, l	Extent : Light, Are	a Affected .	: 100%			
on : At Conc	rete Pier Columns	S.				
nation : Ston	e Facing					
			**	2-8	\$1,400	
		a Affected .	: 33%			
on : Piers 1,		/ E' - 15) A (D) 2 E!		D • /	
			rg.) At Pier 2. Elas	stomeric	Bearings (
	At Piere 1 And 2					
	ion: Random ent, Extent: I ion: Northwo % % % % Disservation, I ion: At Conc nation: Ston % Disservation, I ion: Piers 1, nation: Steel	Extent: Light, Area Affected: ion: Random Locations Throug ent, Extent: Light, Area Affecte ion: Northwest Approach % Observation, Extent: Light, Are ion: At Concrete Pier Columns nation: Stone Facing Observation, Extent: Light, Are ion: Piers 1, 2 and 3 nation: Steel Bearing Assembly	Extent: Light, Area Affected: 10% ion: Random Locations Throughout ent, Extent: Light, Area Affected: 2% ion: Northwest Approach LIFE LIFE LIFE LIFE Stone: At Concrete Pier Columns nation: Stone Facing LIFE Deservation, Extent: Light, Area Affected of the columns nation: Stone Facing LIFE Deservation, Extent: Light, Area Affected of the columns nation: Stone Facing LIFE Deservation, Extent: Light, Area Affected of the columns of the columns nation: Stone Facing LIFE Deservation, Extent: Light, Area Affected of the columns of th	Extent: Light, Area Affected: 10% ion: Random Locations Throughout ent, Extent: Light, Area Affected: 2% ion: Northwest Approach LIFE ** LIFE ** LIFE ** Disservation, Extent: Light, Area Affected: 100% ion: At Concrete Pier Columns nation: Stone Facing LIFE ** Disservation, Extent: Light, Area Affected: 33% ion: Piers 1, 2 and 3	Extent: Light, Area Affected: 10% ion: Random Locations Throughout ent, Extent: Light, Area Affected: 2% ion: Northwest Approach LIFE ** 2-8 LIFE ** Observation, Extent: Light, Area Affected: 100% ion: At Concrete Pier Columns nation: Stone Facing LIFE ** 2-8 Observation, Extent: Light, Area Affected: 33% ion: Piers 1, 2 and 3 nation: Steel Bearing Assembly (Fixed Brg.) At Pier 2. Elastomeric	Extent: Light, Area Affected: 10% ion: Random Locations Throughout ent, Extent: Light, Area Affected: 2% ion: Northwest Approach LIFE ** 2-8 \$124,800 LIFE ** Observation, Extent: Light, Area Affected: 100% ion: At Concrete Pier Columns nation: Stone Facing LIFE ** 2-8 \$1,400 Observation, Extent: Light, Area Affected: 33% ion: Piers 1, 2 and 3 nation: Steel Bearing Assembly (Fixed Brg.) At Pier 2. Elastomeric Bearings (

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

^{**} 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				
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
iers								
Footings								
Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
eck Elements								
Curbs	1000/				ale ale			
Concrete w/ Steel Face	100%			LIFE	* *			
Median	100%			LIFE	* *	5	\$2.400	
Concrete		tant : Liah	t, Area Affected : 5			5	\$3,400	
		_	i, Area Ajjeciea . 5 Locations Through					
Mono Deck Surface	Boetinon	. Itanaom	Locations Titrong.					
Concrete	100%			2051	* *	5		
Railings/Parapets	10070			2031				
Concrete	100%			2034	* *	4	\$13,800	
		ervation, E	xtent : Light, Area		: 100%		, -,	
		: Both Par						
	Explanat	ion : Conc	rete Parapet With	Steel Fer	ice On Top			
Steel	100%			LIFE	* *	2-8	\$12,700	
Sidewalks								
Concrete	100%	4+	\$28,700	2030	* *	5	\$4,800	
	Cracks, Ex	tent : Mod	erate, Area Affecte	d: 10%				
	Location	: Random	Locations Through	iout				
Wearing Surface								
Concrete	100%	4+	\$59,600	2034	* *	5	\$40,000	
		_	t, Area Affected : 5	5%				
	Location	: Near Co	ld Joints At Piers					
uperstructure								
Deck,Structural	1000/			LIDE	* *	5	¢22.700	
Concrete	100%	Extent . I	ight, Area Affected	LIFE	* *	5	\$22,700	
					Inderside Of Stay-I	n_Place	Dacks	
			Extent : Light, Area			n-1 iace	Decks	
			_		. 10070 Along Centerline (Of Rridge	•	
		_	rdeck Steel Deck F	-	anong cemerane c) Briage		
Primary Member	2	0 11410	Steel Deck I					
Steel	100%			LIFE	* *	2-8	\$380,800	
Secondary Member	,						, - 22,230	
Steel	100%			LIFE	* *	2-8	\$319,000	

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

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$78,400		\$75,300	
Total	\$78,400		\$75,300	
Importance Code A	\$34,600		\$38,100	
Importance Code B	\$16,700		\$37,200	
Importance Code C	\$27,100			
Total	\$78,400		\$75,300	



Maintenance \$ are aggregated over a ten-year period. Site 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	Curr	ent Repair	Future	e Replacement	M	aintenance	
System Component Type	% of Fail I Total (Yea	Oate Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals							
Concrete	100%		LIFE	* *			
Backwall	1000/		LICE	* *			
Concrete	100%		LIFE	sh sh			
Brngs,Ancr Blts,Pads Steel	100%		LIFE	* *			
Footings Not Accessible	100%						
Joint with Deck							
Generic		\$71,500 ed Seal, Extent : Light, dom Locations Throug		* * cted : 15%			
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	Location : Ran Other Observation Location : Ran	\$27,100 Light, Area Affected: I dom Locations Throug on, Extent: Light, Area dom Locations Throug Pavement Patching	hout 1 Affected	\$1,355,300 : 2%	4	\$18,800	
Curbs Concrete w/ Steel Face	Location : Thro Vegetation Grow	nt : Moderate, Area Af	Area Affe				
Sidewalks							
Concrete	100%		LIFE	* *			
Piers Cap Beam							
Concrete		xtent : Light, Area Affe		* *			
	Location : Ran	dom Locations Throug	hout				

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

^{**} 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

ridge Structure	Current Repair Future Replace		Current Repair Future Replacement Maintenance				
ystem Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ers							
Pier,Columns							
Concrete	100% Other Observation, Ex. Location : Random L	_		: 5%			
	Explanation: Water	_					
Stem,Solid Pier							
Masonry	100% 4+	\$16,700	LIFE	* *			
·	Other Observation, Ex. Location: Throughout	ut	Affected	: 10%			
D	Explanation : Efflore	scence Staining					
Brngs,Ancr Blts,Pads Steel	100%		LIFE	* *	2-8	\$10,300	
Footings	10070		LIFE		2-0	\$10,300	
Not Accessible	100%						
Mat (scour & erosion)	10070						
Earth	100%		LIFE	* *			
Pedestals	10070		LII L				
Concrete	100%		LIFE	* *			
Piles	10070		EII E				
Not Accessible	100%						
eck Elements							
Curbs							
Concrete w/ Steel Face	100% 4+	\$11,000	LIFE	* *			
	Rust Stains, Extent : M			0%			
	Location: Random L						
	Vegetation Growth, Ex	_		: 10%			
	Location : Random L	ocations Through	out				
Railings/Parapets	1000/	φ4ο - 0-	2021			*	
Concrete	100% 4+ Cracks, Extent: Light,		2034	* *	4	\$8,600	
	Location : Throughou	ut					
Steel	100%		LIFE	* *	2-8	\$11,700	
	Corrosion, Extent : Lig Location : Throughou		: 30%				
Sidewalks						.	
Concrete	100% 4+ Spalling, Extent : Mode Location : Left Side-		2030 ed : 10%	**	5	\$13,200	
Wearing Surface							
Asphalt	100%		2026		5		
Concrete	100% 4+ Cracks, Extent : Light, Location : Random L			* *	5	\$67,700	

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

^{**} 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

Bridge Structure	Current Repa	r Future Repla	cement	M	aintenance	
System Component Type	% of Fail Date Esti Total (Years)	mated Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Scupper						
Cast Iron	100%	LIFE	* *			
	Other Observation, Extent	: Light, Area Affected : 100%				
	Location : Throughout A	long The Curbs				
	Explanation : Total Of 8	Scuppers				
Superstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$41,200	
	Other Observation, Extent	: Light, Area Affected : 100%	•			
	Location : Throughout					
	Explanation : Stay In Pla	ace Forms - Good Condition				
Joints						
Steel	100%	LIFE	* *			
Primary Member						
Steel	100%	LIFE	* *	2-8	\$692,900	
Secondary Member						
Steel	100%	LIFE	* *	2-8	\$580,400	

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$58,100	\$26,300	\$34,100	
Total	\$58,100	\$26,300	\$34,100	
Importance Code A	\$35,000		\$17,200	
Importance Code B	\$17,700		\$16,900	
Importance Code C	\$5,400	\$26,300		
Total	\$58,100	\$26,300	\$34,100	



Maintenance \$ are aggregated over a ten-year period. Site 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 l	Repair	Futur	e Replacement	Ma	aintenance	
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	10070			LIIT				
Not Accessible	100%							
Brngs,Ancr Blts,Pads Steel	100%			LIFE	* *			
Footings Not Accessible	100%							
Joint with Deck Generic	_	4+ Damaged Se a : North Jo	\$17,700 eal, Extent : Light, A	LIFE Area Affe	* * cted : 5%			
Mat (scour & erosion) Earth	100%			LIFE	* *			
Pedestals								
Concrete	100%			LIFE	* *			
Stem (breastwall) Not Accessible	100%							
Wingwalls Footings	1000/							
Not Accessible	100%							
Mat (scour & erosion) Earth	Location	ı : Adjacen	Extent : Light, Area t To All Wingwalls		* *			
Piles	Ехріапа	iion : Mino	r Vegetation Grow	ın				
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			ight, Area Affected Locations Through		* *			
Embankment								
Earth	100%			LIFE	* *			
Guide Railing Steel	Location	i : Northea	\$21,600 Extent : Moderate, A st And Southeast le Rail Has Vehicul			2-8	\$5,900	
Mat (scour & erosion)	Елріапа	uon . Gula	e Kan Has Vemicun	л тпрас	ı Dumuge			
Earth	100%			LIFE	* *			

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

^{**} 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 F	Repair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
oproaches								
Sidewalks	1000/			T TEE	ale ale			
Concrete	100%			LIFE	**			
			Extent : Light, Area		: 5%			
			Locations Through ks In Concrete Dec		all Propagated Th	nough F	assias Dananats	
ers	Ехриана	ion . Craci	ks in Concrete Dec	k, Sidewi	ик Еторадагеа 111	rougn r	iscius Farapeis	
Cap Beam								
Concrete	100%			LIFE	* *			
Pier, Columns	10070							
Concrete	100%			LIFE	* *			
		ervation, E	xtent : Light, Area		: 20%			
	Location	: Fascia C	Columns					
	Explana	tion : Fasci	a Columns Are Co	ncrete W	ith Cut Stone Mas	onry Fac	ring (Veneer)	
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%							
eck Elements								
Curbs	1000/			LIDE	* *			
Concrete w/ Steel Face	100%	Entant . I	iale Amag Affaataa	LIFE	* *			
			ight, Area Affected Locations Through					
Median	Location	. Kanaom	Locuitons Tirrough	ш				
Concrete	100%			LIFE	* *	5	\$1,400	
Mono Deck Surface	10070			LIII			\$1,400	
Concrete	100%			2045	* *	5		
Railings/Parapets	10070			2043				
Concrete	100%	4+	\$13,400	2034	* *	4	\$7,800	
Concrete			derate, Area Affec			•	Ψ7,000	
	-		scias At Northeast		hwest Abutment			
	Other Obs	ervation, E	xtent : Light, Area	Affected	: 100%			
		: Both Par		00				
			cal Face Concrete	Parapet	With Steel Chainli	nk Proteo	ctive Screening	
	-	On Top O		•				
Sidewalks								
Concrete	100%	4+	\$5,400	2030	* *	5	\$2,600	
			t, Area Affected : I					
	Location	: East And	l West Sidewalks T	hrough F	ascias			

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

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

DEPARTMENT OF TRANSPORTATION - 841 CROSS BAY BLVD. BRIDGE CONDUIT BLVD

Bridge Structure	Current Repair	Future Replac	ement	М	aintenance	
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year Estimat	ted Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Wearing Surface						
Concrete	100%	2034	* *	5		
	Cracks, Extent : Light, Area	Affected : 20%				
	Location : Throughout Ent	ire Deck				
Superstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$18,700	
	Other Observation, Extent:	Light, Area Affected : 100%				
	Location: Entire Deck					
	Explanation : Concrete De	eck With Stay - In - Place Met	al Forms			
Primary Member						
Steel	100%	LIFE	* *	2-8	\$314,300	
Secondary Member						
Steel	100%	LIFE	* *	2-8	\$263,300	

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$188,100		\$71,600	
Total	\$188,100		\$71,600	
Importance Code A	\$35,700		\$48,600	
Importance Code B	\$34,500		\$23,000	
Importance Code C	\$117,900			
Total	\$188,100		\$71,600	



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments Bridge Seat&pedestals Concrete			\$50,600 erate, Area Affecte outment West Side	LIFE d : 5%	**			
Backwall Not Accessible	100%							
Brngs,Ancr Blts,Pads Steel	100%			LIFE	* *			
Footings Not Accessible	100%							
Joint with Deck Generic		4+ amaged Se : Both Abi	\$31,100 al, Extent : Modera utments	LIFE ate, Area	* * Affected : 25%			
Mat (scour & erosion) Earth	Location	: Both Abi	Extent : Light, Area utments a On Side And Pave			eath Ahu	tment	
Pedestals	Елрини	ion . Euri	on side ind i die	Sione o	n i stope onderno			
Concrete	Location	: Begin Al	\$3,200 Terate, Area Affecte Outment West Side ent, Extent : Moder		* * Affected · 5%			
	Location Spalling, H	: Begin Al Extent : Mo	outment West Side derate, Area Affect outment West Side		rijjecieu i 570			
Stem (breastwall) Concrete			\$67,600 erate, Area Affecte outment West Side	LIFE d:5%	* *			
	Location Explanat Spalling, E	: End Abu tion : Expo	sed Rebars derate, Area Affect					
Vingwalls Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Piles Not Accessible	100%							

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

^{**} 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ingwalls								
Walls								
Masonry: Stone	Location	servation, E n : Random	\$8,500 Extent : Moderate, A Locations Through ing Pointing And E	iout		Mortar		
pproaches								
Pavement								
Asphalt	Location	servation, E n : On Surfa				4	\$196,900	
			ment Area Consists					
Concrete	Location Spalling,	Extent : Ligh n : Random Extent : Lig	\$12,400 t, Area Affected : 5 Locations Through ht, Area Affected : Locations Through	nout 5%	* *	4	\$35,200	
Curbs								
Concrete w/ Steel Face			\$54,400 Moderate, Area Affa proaches	LIFE ected : 40	* *			
Embankment Earth	100%	1		LIFE	* *			
Guide Railing Steel	100%			LIFE	* *	2-8	\$57,700	
Mat (scour & erosion) Earth	100%			LIFE	* *			
Sidewalks Concrete	Location Settlemen	Extent : Ligh n : Isolated	Ioderate, Area Aff		* *			
iers								
Pier,Columns Concrete	Location Other Ob.	Extent : Mod n : Random servation, E	\$41,400 Terate, Area Affecte Locations Through Extent : Light, Area	nout	* * : 100%			
		n : At Pier	C. 1. (5. P.		. A 135 B	, G,	1.4	
			Column Is 65 Perc			it Stone l	Masonry	
Masonry	Location	servation, E n : At Piers,	\$3,400 Extent : Moderate, A Scattered Through	iout				
	Explana	tion : Loos	e Elements And Ve	getation (Growth			

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

^{**} 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	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers						
Stem,Solid Pier						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	ı Affected	: 100%			
	Location : At Pier					
	Explanation : Barrier Wall As Stem S	olid Pier				
Brngs, Ancr Blts, Pads	1000/	T TEE	ale ale	2.0	Φ1 < 5 00	
Steel	100%	LIFE	* *	2-8	\$16,500	
Footings	1000/					
Not Accessible	100%					
Mat (scour & erosion)	1000/	LICE	* *			
Earth	100%	LIFE				
	Other Observation, Extent: Light, Area	і Ајјестеа	: 100%			
	Location: At Pier					
Piles	Explanation : Paved Roadway					
Not Accessible	100%					
Deck Elements	100%					
Curbs						
Concrete w/ Steel Face	100% 4+ \$2,100	LIFE	* *			
Concrete w/ Steel I dee	Spalling, Extent: Light, Area Affected.					
	Location: Random Locations Throug					
Median						
Concrete	100% 4+ \$81,000	LIFE	* *	5	\$27,900	
	Cracks, Extent: Light, Area Affected:				, — · , · · · ·	
	Location : Near End Approach					
	Settlement, Extent : Moderate, Area Afj	ected : 20	0%			
	Location : Near End Approach					
	Vegetation Growth, Extent : Light, Area	a Affectea	! : 10%			
	Location : Near End Approach					
	Other Observation, Extent : Light, Area	a Affected	: 100%			
	Location : Throughout					
	Explanation: Concrete Island Media	n				
Railings/Parapets						
Steel	100%	LIFE	* *	2-8	\$7,500	
	Other Observation, Extent : Light, Area	ı Affected	: 100%			
	Location: Throughout					
	Explanation: Steel Railing And Fenc	е				
Sidewalks		_				
Concrete	100% 4+ \$6,100	2029	* *	5	\$3,600	
	Cracks, Extent: Light, Area Affected:					
	Location: Random Isolated Location	S				
Wearing Surface	4000		_	_		
Concrete	100%	2033	* *	5	\$136,400	
Scupper	1000		-			
Ductile Iron	100%	LIFE	* *			
Superstructure						

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

^{**} 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

ridge Structure	Current F	Repair	Futur	e Replacement	M	aintenance	
vstem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
perstructure							
Deck,Structural							
Concrete	100% 4+ Cracks, Extent : Mode	\$142,700 erate, Area Affecte	LIFE <i>d</i> : 20%	* *	5	\$25,500	
	Location: Random	Locations Through	iout				
	Spalling, Extent: Mod	derate, Area Affect	ed : 10%	ó			
	Location: Random	Locations Through	iout				
	Other Observation, E.	xtent : Light, Area	Affected	: 100%			
	Location : Through	out					
	Explanation : Stay I	n Place Forms Us	ed Under	· Deck			
Joints							
Generic	100% 4+	\$9,900	LIFE	* *			
	Missing/Damaged Sec	al, Extent : Modero	ate, Area	Affected : 50%			
	Location: Through	out					
Primary Member							
Steel	2% 4+	\$30,400	LIFE	* *	2-8	\$429,000	
	Other Observation, E	xtent : Moderate, A	Area Affe	ected : 25%			
	Location : Through	out					
	Explanation: Bird l	Vesting					
Steel	98%		LIFE	* *	2-8	\$429,000	
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$359,400	

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$126,000		\$92,500	
Total	\$126,000		\$92,500	
Importance Code A	\$27,400		\$31,000	
Importance Code B	\$23,800		\$61,500	
Importance Code C	\$74,900			
Total	\$126,000		\$92,500	



Maintenance \$ are aggregated over a ten-year period. Site 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			e Replacement	Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments	ı							•	
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%								
Wingwalls									
Footings									
Not Accessible	100%								
Mat (scour & erosion)									
Generic	100%			LIFE	* *				
Piles									
Not Accessible	100%								
Walls									
Cast Iron	100%			LIFE	* *				
			Extent : Severe, Are	a Affecte	d : 100%				
		ı : South Al							
		tion : Steel	Sheeting						
Concrete	100%			LIFE	* *				
Feature Crossed									
Bank Protection									
Riprap	100%		\$122,100	LIFE	* *				
	Broken/Missing Elements, Extent: Moderate, Area Affected: 60%								
			'est Fascia - Harlei						
			derate, Area Affect						
	Location	i : Along Be	ank Of Harlem Riv	er					
Pier Protection									
Steel	100%	0-2	\$428,000	LIFE	**				
			Extent : Severe, Are						
			cated Along Bank						
	Explana	tion : Corr	osion/ Section Loss	On Stee	l Fender System				

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 DEPOT PLACE BRIDGE DEPOT PLACE/CONRAIL HUDSON DV

Asset #: 2443

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
Approaches								
Pavement Asphalt			\$28,900 lerate, Area Affecte vere At South Appr		\$289,500	4	\$3,900	
Concrete		4+ tent : Ligh : Both App	\$13,500 t, Area Affected : I proaches	2033 5%	* *	4	\$14,900	
Curbs								
Concrete	Location Settlement,	: Random Extent : L	\$3,900 nents, Extent : Ligh Locations night, Area Affected vere At South Appr	! : 10%	* * ffected : 20%			
Concrete	95%			LIFE	* *			
Granite	100%			LIFE	* *			
Embankment Generic	100%			LIFE	* *			
Guide Railing Steel	_	_	\$14,100 stent : Light, Area A pproach East Side	LIFE Affected :	**	2-8	\$5,800	
Mat (scour & erosion)			<u>-</u>					
Earth Earth			\$1,400 derate, Area Affect					
C' 1 11 .	Location	: South Ap	pproach Along Ban	к Ој Паг	iem Kiver			
Sidewalks Concrete	Location Settlement, Location Spalling, E	: South Ap Extent : L : South Ap Extent : Lig	\$14,300 t, Area Affected: I oproach East Side ight, Area Affected oproach East Side ht, Area Affected: oproach East Side	! : 10%	**			
Piers Con Poom								
Cap Beam Concrete	100%			LIFE	* *			
Pier,Columns Steel	100%			LIFE	* *	2-8	\$45,600	
Stem,Solid Pier Concrete		4+ s, Extent : 1 : Through	\$209,000 Moderate, Area Aff out	LIFE fected : 2	**			
Brngs,Ancr Blts,Pads Steel	100% Corrosion,	4+ Extent : N	\$108,100 Ioderate, Area Affe eaky Deck Joints	LIFE ected : 20	**	2-8	\$16,000	

Maintenance \$ are aggregated over a ten-year period. Site 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	M	aintenance		
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
ers									
Footings									
Not Accessible	100%								
Pedestals									
Concrete	100%	4+	\$17,400	LIFE	* *				
		_	t, Area Affected : I	10%					
	Location	: Piers 5,	6 And 7						
eck Elements									
Curbs									
Granite	100%			LIFE	* *				
Railings/Parapets									
Concrete	100%			2033	* *	4	\$24,000		
Steel	100%	_		LIFE	* *	2-8	\$9,400		
			Light, Area Affecte						
		inlink Fen	Locations, Steel R ce On Both Sides I						
Sidewalks									
Concrete		_	\$11,600 at, Area Affected : 5 Locations	2029 5%	* *	5	\$4,100		
	Spalling, E	xtent : Lig	tht, Area Affected : Locations	2%					
Wearing Surface									
Concrete	95%			2033	* *	5	\$129,600		
Concrete	Location Spalling, E	: Spans 1	ht, Area Affected :		**	5	\$64,800		
	Locuiton	. Ivear Soi	un Ena						
iperstructure Deck,Structural									
Concrete	100%			LIFE	* *	5	\$33,200		
Concrete	Other Obse Location	: Spans 5		Affected :		3	Ψ33,200		
T * .	Explanat	ion : Stay	In Place Forms At	Underdeck	ζ.				
Joints	1000/	4 .	04.200	rine	* *				
Generic		4+ Extent : Lig : Through	\$4,300 ht, Area Affected : out	LIFE 10%	* *				
Primary Member									
Prestressed Concrete	100%			LIFE	* *				
Box Beam									
	Other Observation, Extent : Light, Area Affected : 20%								
	Location	: Near Soi	uth Abutment						
	Explanat Girders	ion : Cons	ists Of 20 Percent	Precast Bo	ox Beam Girders A	And 80 P	ercent Steel		
Steel	100%			LIFE	* *	2-8	\$554,600		

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

^{**} 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

Bridge Structure	Current Repa	air Futu	Future Replacement		Maintenance	
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure						
Secondary Member						
Steel	5% 2-4	\$6,300 LIFE	**	2-8	\$467,600	
	Corrosion, Extent: Light	Area Affected : 20%				
	Location : Adjacent To	Deck Joints				
	Loss of Section, Extent: I	Light, Area Affected : .	5%			
	Location : Adjacent To	Deck Joints				
Steel	95%	LIFE	**	2-8	\$467,600	

^{**} 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

 $Program / Asset \# \quad : \ DOT0163.000 / \ 13571 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 17,200 Project Type : HIGHWAY BRIDGES

Date of Survey : 11-Nov-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2231390

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$124,300		\$70,300	
Total	\$124,300		\$70,300	
Importance Code A	\$35,600		\$18,700	
Importance Code B	\$46,600		\$17,100	
Importance Code C	\$42,100		\$34,600	
Total	\$124,300		\$70,300	



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

Bridge Structure		Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	* *			
Backwall								
Concrete	100%			LIFE	* *			
	Efflorescenc Location :		: Light, Area Affec atments	:ted : 5%				
Brngs,Ancr Blts,Pads								
Steel	100%			LIFE	* *			
Footings Not Accessible	100%							
Joint with Deck								
Generic			\$19,300 t, Area Affected : 5 tete Headers	LIFE	* *			
	Missing/Damaged Seal, Extent: Light, Area Affected: 20%							
	Location: Random Locations Throughout							
		_	ht, Area Affected : ete Headers	5%				
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Pedestals								
Concrete	100%			LIFE	* *			
Stem (breastwall)								
Concrete	100% Cracks, Exte Location :		\$70,500 t, Area Affected : I utments	LIFE 0%	* *			
		tent : Lig	ht, Area Affected :	5%				
Masonry		-	\$13,200 ents, Extent : Light east Corner	LIFE t, Area Ą	* * ffected : 5%			
Wingwalls Footings Not Accessible	100%							
Mat (scour & erosion)	100/0							
Earth	100%			LIFE	* *			
Piles Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year period. Site 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		Futur	e Replacement	Maintenance		
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls							
Walls	60 / 4 :	Φ56 100	LIEE	* *			
Concrete	6% 4+	\$56,100	LIFE	* *			
		ht, Area Affected : 1 I And Horizontal Cr		Pandom Locations	Through	out	
		n Ana Hortzoniai Cr nt : Light, Area Affed			Inrough	ОШ	
		n Locations Through		×0			
		ight, Area Affected :					
		n Locations Through					
		Extent : Moderate, A		ected : 50%			
		n Locations Through					
	Explanation: Pair	nt Peeling					
Concrete	94%		LIFE	* *			
Masonry: Stone	80% 4+	\$29,200	LIFE	* *			
		Extent : Light, Area					
		igwalls Except North	ieast Win	igwall			
	Explanation : Effl	orescence At Joints					
Masonry: Stone	20%		LIFE	* *			
Approaches							
Pavement	100% 4+	\$220,400	2026	\$2.204.000	4	¢54.600	
Asphalt		\$339,400 oderate, Area Affecte	2026	\$3,394,000	4	\$54,600	
		n Locations Through					
Curbs							
Concrete w/ Steel Face	100% 4+	\$72,800	LIFE	* *			
	Corrosion, Extent:	Moderate, Area Affe	ected : 20	0%			
	Location: Randon	n Locations Through	iout				
Embankment							
Earth	100%		LIFE	* *			
Guide Railing							
Steel	100%		LIFE	* *	2-8	\$43,600	
Mat (scour & erosion)	1000/		LIEE	* *			
Earth Median	100%		LIFE				
Concrete	100% 4+	\$46,900	LIFE	* *			
Concrete		ht, Area Affected : 5					
	_	n Locations Through					
		ight, Area Affected :					
	Location: Random Locations Throughout						
	Other Observation, Extent : Light, Area Affected : 20%						
	Location: At Concrete Curbs With Steel Face						
	Explanation: Cor	rosion					
Sidewalks	400	* *=					
Concrete	100% 4+	\$40,900	LIFE	* *			
	_	tht, Area Affected : 5					
		n Locations Through					
		ight, Area Affected : n Locations Througl					
-	nates are in current doll	<u>-</u>					

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

^{**} 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 I	Repair	Future Replacement Maintenance				
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers							
Pier,Columns							
Concrete	100% 2-4 Joints Missing, Extent Location: West Cet Other Observation, E	nter Pier					
	Location : All Piers	S					
	Explanation: Oute	r Face Finished Wi	th Stone I	Masonry			
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+ Corrosion, Extent : M Location : Random Spalling, Extent : Lig Location : Random	Locations Through tht, Area Affected :	out 5%	**			
Median							
Concrete	100% 4+ Corrosion, Extent : M Location : At Conc. Spalling, Extent : Lig Location : Random	rete Curbs With Ste ht, Area Affected :	el Face 5%	**	5	\$3,000	
Railings/Parapets Steel	100%		LIFE	* *	2-8	\$11,400	
Sidewalks Concrete	100% 4+ Cracks, Extent: Light Location: Random Spalling, Extent: Light	Locations Through tht, Area Affected :	out 5%	* *	5	\$2,200	
	Location : Random	Locations Inrough	юшт				
Wearing Surface Concrete	100%		2034	* *	5	\$69,100	
Superstructure							
Deck,Structural Concrete	100%		LIFE	* *	5	\$18,900	

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

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

DEPARTMENT OF TRANSPORTATION - 841 E. 12TH STREET BRIDGE

Bridge Structure	Current Re	Current Repair		Future Replacement		Maintenance			
ystem Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
uperstructure									
Joints									
Generic	80% 4+	\$48,800	LIFE	* *					
	Broken/Missing Elements, Extent: Moderate, Area Affected: 30%								
	Location : At Joint Ri	ubber Seal							
	Spalling, Extent : Light	t, Area Affected :	10%						
	Location : At Concre	te Headers							
Generic	20% 0-2	\$12,200	LIFE	* *					
	Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
	Location : At Joint Ri	ubber Seal							
	Misaligned/Bulging, Extent: Light, Area Affected: 10%								
	Location : At Rubber	Seal							
Primary Member									
Steel	100%		LIFE	* *	2-8	\$318,000			
	Other Observation, Ex	tent : Moderate, A	Area Affe	ected : 30%					
	Location: Random Locations Throughout								
	Explanation: Paint I	Peeling With Mind	or Surfac	e Corrosion					
Secondary Member									
Steel	100%		LIFE	* *	2-8	\$266,400			
	Other Observation, Extent: Moderate, Area Affected: 30%								
Location: Random Locations Throughout									
	Explanation: Paint I	Peeling With Mind	or Surfac	e Corrosion					

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
Total	\$556,500	\$3,097,800
Importance Code A	\$40,300	
Importance Code C	\$516,200	\$3,097,800
Total	\$556,500	\$3,097,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$24,300	\$4,800	\$500	
Total	\$24,300	\$4,800	\$500	
Importance Code A	\$3,600	\$4,800	\$500	
Importance Code C	\$20,800			
Total	\$24,300	\$4,800	\$500	



Maintenance \$ are aggregated over a ten-year period. Site 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 l	Repair	Future	e Replacement	eplacement Maintenance		
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	1000/							
Not Accessible	100%							
Footings	1.000/							
Not Accessible	100%							
Mat (scour & erosion)	1000/			LIDE	* *			
Earth Dadactala	100%			LIFE				
Pedestals Not Accessible	100%							
Stem (breastwall)	10070							
Not Accessible	100%							
Walls	10070							
Not Accessible	100%							
Vingwalls	10070							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%	4+	\$97,900	LIFE	* *			
			derate, Area Affec					
			Locations Through					
	_		Extent : Light, Area	ı Affected	: 10%			
		: End Abu	tment Wingwall					
Masonry: Stone	100%			LIFE	* *			
approaches								
Pavement	1.000/	0.0	#202 700	2026	Φ2 026 600	4	Φ45 500	
Asphalt	100%	0-2	\$282,700	2026	\$2,826,600	4	\$45,500	
			lerate, Area Affecte Locations Through					
			ht, Area Affected :					
	-	_	Locations Through					
Compress	100%	. Itanaom	Locations Through	2034	* *	1		
Concrete Curbs	100%			2034		4		
Concrete w/ Steel Face	100%			LIFE	* *			
Concrete w/ Steel Pace		s. Extent	Moderate, Area Afj					
		: Through			-, -			
Median								
Concrete	100%			LIFE	* *			

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

^{**} 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	С	urrent Rep	oair	Future	Future Replacement Maintenance			
System Component Type		il Date Es Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches Sidewalks Concrete	Cracks, Exten		\$14,500 Area Affected : 5 cations Through		**			
iers Stem,Solid Pier								
Masonry	100%			LIFE	* *			
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Pedestals	10070			LIIL				
Not Accessible Piles	100%							
Not Accessible	100%							
eck Elements								
Curbs Concrete w/ Steel Face	100% Rust Stains, E Location: T		ht, Area Affecte	LIFE d : 50%	* *			
Median								
Concrete		_	\$3,600 Area Affected : 1 cations Through		**	5	\$2,100	
Railings/Parapets								
Concrete	100%			2034	* *	4	\$14,500	
Steel	100% Corrosion, Ex Location: T		\$40,300 lerate, Area Affe	LIFE ected : 30	* *	2-8	\$13,300	
Sidewalks								
Concrete	Cracks, Exten		\$6,200 Area Affected : 1 cations Through		* *	5	\$2,600	
Wearing Surface								
Asphalt	Cracks, Extended Location: Research Spalling, Exte	Random Lo ent : Light,	\$135,600 ate, Area Affecte cations Through Area Affected: cations Through	nout 10%	\$271,300	5	\$12,100	
uperstructure								
Deck,Structural Not Accessible	100%							
Primary Member Not Accessible	100%							

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

^{**} 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	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure							

Secondary Member

Not Accessible 100%

^{**} 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

Total

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$48,500			
Total	\$48,500			
Importance Code B	\$12,000			
Importance Code C	\$36,500			
Total	\$48,500			



Maintenance \$ are aggregated over a ten-year period. Site 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 Re	pair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date F Total (Years)	Estimated Cost	Year F FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments							
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+	, ,	LIFE	* *			
	Loose Elements, Extent		Affected .	: 20%			
	Location : East Abutn	ient					
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Stem (breastwall)							
Concrete	100%		LIFE	* *			
Not Accessible	100%						
	Other Observation, Ext	-	Affected : (0%			
	Location: Throughou						
	Explanation : 50 Perc	ent Of The Wall I	s Not Acc	essible			
ingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Piles							
Not Accessible	100%						
Walls		.					
Masonry	100% 4+	. /	LIFE	* *			
	Vegetation Growth, Ext	_	Affected :	20%			
	Location: West Side S	=					
	Other Observation, Ext		Affected : .	100%			
	Location: Throughou						
	Explanation: 75 Perc	ent Masonry Ston	e - 25 Per	cent Concrete C	ribbing		
Masonry: Stone	100% 4+	\$13,800	LIFE	* *			
	Other Observation, Ext						
	Location: Both Sides	West Wingwalls A	And North	Side East Wingv	vall		
	Explanation: Loose/	Eroded Joints					

Approaches

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

^{**} 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 F	ASSEL#.I		o Ponlacement		aintenance	
					e Replacement			
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement	1000/	2.4	ΦΩ ΩΩΩ	2025	Φ 2 0, 400	4	Φ000	
Asphalt	Location: Settlement, E Location: Other Obser Location:	Both App Extent : L East App wation, E Both App	ight, Area Affected croach extent : Light, Area	l : 10% Affected		4	\$800	
Concrete	100%	4+ tent : Lig	\$4,600 ht, Area Affected :	2033	**	4	\$3,100	
Curbs		TP						
Concrete w/ Steel Face	100%			LIFE	* *			
Embankment								
Earth	Location:	Begin Ri			* * : 100% nd Concrete Cribb	ping		
Guide Railing	•		0 0					
Steel	100% Corrosion, E Location :		ight, Area Affected out	LIFE 1: 20%	* *	2-8		
Mat (scour & erosion) Earth	100%			LIFE	* *			
Sidewalks Concrete	100% Cracks, Exte		t, Area Affected : I	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) Earth	100%			LIFE	* *			
Pedestals Not Accessible Piles	100%							
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.

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

^{**} 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

Bridge Structure	Current Repair		Futur	e Replacement	Maintenance			
System Component Type	% of Fail D Total (Year	ate Estimated Cost rs)	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			
	Corrosion, Exten	Corrosion, Extent : Light, Area Affected : 10%						
	Location: Throughout							
	Other Observation	on, Extent : Light, Area	Affected	! : 100%				
	Location: Both	Sides						
	Explanation : C	Chainlink Fence On Top	Of Con	crete Parapet				
Sidewalks								
Concrete	100% 4+	\$5,000	2029	* *	5	\$3,500		
	Cracks, Extent: I	Light, Area Affected : 1	0%					
	Location : Rand	dom						
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member							_	
Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year 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

Area Sq Ft : 12,575 Project Type : HIGHWAY BRIDGES

Date of Survey : 17-Dec-2012 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2241129

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$58,400		\$25,300	
Total	\$58,400		\$25,300	
Importance Code A	\$6,600		\$12,800	
Importance Code B			\$12,500	
Importance Code C	\$51,700			
Total	\$58,400		\$25,300	



Maintenance \$ are aggregated over a ten-year period. Site 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 l	Repair	Future Replacement Maintenance		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 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 Concrete	100%			LIFE	* *			
Approaches Pavement	10070			<u> LH L</u>				
Asphalt	Location Settlement, Location Other Obse	: Both About Extent : It is Through Ervation, Error Both About Error Err	ight, Area Affected out And Most Seve Extent : Light, Area	: 20% re At No Affected	: 100%	4	\$1,500	
Concrete	100% Cracks, Ex Location Spalling, E	2-4 tent : Ligh : Through Extent : Lig	\$11,000 t, Area Affected : I	2033 0% 10%	**	4	\$5,800	
Curbs	Location	. myucen	10 Johns 11t West	. Ioannei		анона А	. Soum Houment	
Concrete w/ Steel Face		Extent : L	ight, Area Affected out	LIFE : 5%	* *			
Embankment								
Earth	100%			LIFE	* *			

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

^{**} 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	Current Repair		e Replacement	Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Sidewalks				de de			
Concrete	75% 4+	\$2,700	LIFE	* *			
	Cracks, Extent : Ligh		0%				
	Location: Random						
Concrete	10% 4+	\$5,400	LIFE	* *			
	Settlement, Extent : 1		ected : 30)%			
	Location : Random	Locations					
Concrete	15% 0-2	\$8,100	LIFE	* *			
	Cracking/Crumbling						
	Location : More Se	= =					
	Other Observation, I	_	Affected	: 100%			
	Location : East And						
	Explanation : Steel	Fascia With Corru	gated Ste	eel Siding For Rail	road Pro	otection	
Deck Elements							
Guide Railing	400-	h					
Concrete	100% 4+	\$6,600	2037	* *			
	Cracks, Extent : Ligh		%				
	Location : Random	Locations					
Median	1000/		LIEE	* *	~	Φ2 (00	
Concrete	100%		LIFE	* *	5	\$2,600	
Mono Deck Surface	1000/ 4.	¢5.500	2044	* *	_	¢22 400	
Concrete	100% 4+	\$5,500	2044	4. 4.	5	\$33,400	
	Cracks, Extent : Ligh Location : Through		70				
Deilings/Denomate	Location . Through	Oui					
Railings/Parapets Steel	100%		LIFE	* *	2-8	\$9,900	
Steel	Corrosion, Extent : 1	ight Area Affected			2-0	\$9,900	
	Location : Random		. 570				
	Other Observation, I		Affected	. 100%			
	Location: Both Sig	_	Пуссиси	. 100/0			
	Explanation : Steel	Fascia With Steel	Railino A	nd Claddino On T	'on		
Sidewalks	Explanation . Steel	2 45044 1,1111 51001 1		Ciadaing On I	~ <i>P</i>		
Concrete	90% 4+	\$9,400	2029	* *	5	\$5,800	
esin ere	Other Observation, I			cted : 30%		42,000	
	Location : Adjacen						
	Explanation : Wate						
Concrete	10% 4+	\$2,600	2029	* *	5	\$5,800	
Concrete	Cracks, Extent : Ligh				3	Ψ5,600	
	Location : Both Sia		-, -				
Superstructure							
Deck,Structural							
Not Accessible	100%						
11011100000000	10070						

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

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

DEPARTMENT OF TRANSPORTATION - 841 EAST 149TH STREET BRIDGE

Bridge Structure	Current Repair	Futur	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Superstructure							
Primary Member							
Steel	100%	LIFE	* *	2-8	\$232,500		
	Corrosion, Extent : Light, Area Affected	l:5%					
	Location: Random Locations						
Secondary Member							
Steel	100%	LIFE	* *	2-8	\$194,700		

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$78,200	\$13,500		\$4,500
Total	\$78,200	\$13,500		\$4,500
Importance Code A	\$14,900	\$2,100		
Importance Code C	\$63,300	\$11,400		\$4,500
Total	\$78,200	\$13,500		\$4,500



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
System	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
Component Type	Total	(Years)		FY		(Yrs)		
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%							
Pedestals	400							
Not Accessible	100%							
Stem (breastwall)	1000/							
Not Accessible	100%							
Walls	1.000/							
Not Accessible	100%							
Wingwalls Footings								
Not Accessible	100%							
Mat (scour & erosion)	10070							
Not Accessible	100%							
Walls	10070							
Not Accessible	100%							
Approaches								
Pavement								
Asphalt	50%			2026	\$708,900	4	\$34,200	
Asphalt	50%		\$14,200	2026	\$708,900	4	\$22,800	
			e, Extent : Light, Ar	ea Affeci	ed : 2%			
		n : At East A		·0/				
			t, Area Affected : 5 Locations Through					
			Extent : Light, Area		. 100/			
			xieni . Ligni, Area Locations Through		. 1070			
			en Asphalt Surface					
Curbs	Влрини	non . Onev	en rispitati surjuce					
Concrete w/ Steel Face	100%	4+	\$11,800	LIFE	* *			
			ight, Area Affected	: 25%				
	Location	n : Random	Locations Through	iout				
	Spalling,	Extent : Lig	ht, Area Affected :	5%				
	Location	n : Random	Locations Through	iout				
Embankment								
Generic	100%			LIFE	* *			
Mat (scour & erosion)					_			
Earth	100%			LIFE	* *			

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

Bridge Structure		Current Repair		Futur	e Replacement	М		
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	* *			
			t, Area Affected : 5					
			Locations Through		20.4			
		_	t : Light, Area Affe)%			
		_	orth Sidewalk Join					
		_	ht, Area Affected :					
	Location	: Random	Locations Through	iout				
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$3,100	LIFE	* *			
			ight, Area Affected					
	Location	: Random	Locations Through	iout				
Railings/Parapets								
Concrete	100%			2034	**	4	\$6,300	
			Extent : Light, Area	Affected	: 40%			
			de Of Deck					
	Explanat	ion : Conc	rete Parapet					
Sidewalks	1000/			2020	de de	_	φο ο ο ο	
Concrete	100%			2030	* *	5	\$9,000	
Wearing Surface	400		***		de de	_	*1= 1 00	
Concrete	100%	4+	\$25,400	2034	* *	5	\$17,100	
		_	t, Area Affected : 1					
		_	oth Sides Of Appro					
			nt : Light, Area Affe					
		_	oth Sides Of Appro		ts			
	-	_	ht, Area Affected :					
	Location	: Along Be	oth Sides of Approa	ich Joint	S			
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
Not Accessible	100%							

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$59,000	\$3,600	\$85,500	\$17,800
Total	\$59,000	\$3,600	\$85,500	\$17,800
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
Total	\$59,000	\$3,600	\$85,500	\$17,800



Maintenance \$ are aggregated over a ten-year period. Site 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		M	Maintenance		
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments								
Backwall								
Concrete	100%		LIFE	* *				
Brngs, Ancr Blts, Pads	1000/							
Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion)								
Generic	100% 4+	\$3,100	LIFE	* *				
	Spalling, Extent : Li							
	Location : Pothole	At Eastern Exit Of	Tunnel					
Pedestals	1000:							
Steel	100%	T 1 . 4 . 400	LIFE	* *				
	Corrosion, Extent:			A 4 C: 1 11				
G (1)	Location : Minor I	Pitting At Base Of P	eaestais 1	At Siaewalk				
Stem (breastwall)	1000/ 4.	¢120,400	LIEE	* *				
Concrete	100% 4+ Spalling, Extent : Li	\$138,400	LIFE	4. 4.				
		gm, Area Affectea . g At Interface With I		, Water Infiltration	ı At One	Spall In South		
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%		LIFE	* *				
Piles								
Not Accessible	100%							
Walls								
Concrete	100%		LIFE	* *				
	Other Observation,		Affected	: 75%				
	Location: Throug							
	Explanation: Peel	ing Paint						
Approaches								
Pavement	700/		2024	¢.c22.000	4	¢1 < 200		
Asphalt	70%	¢27.700	2024	\$622,900	4	\$16,300		
Asphalt	30% 4+ Cracks, Extent : Lig	\$26,700	2024	\$267,000	4	\$16,300		
	Location: Randon		U/0					
	Spalling, Extent: Li		10%					
	Location : Randon		10/0					
Curbs	Locanon . Randon	<i>v</i>						
Concrete w/ Steel Face	100%		LIFE	* *				
Concrete w/ Steel Pace	10070		LILL					

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

^{**} 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 I	Repair	Futur	Future Replacement Maintenance				
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	\$19,200		
Concrete	20%	4+	\$6,500	2032	* *	4	\$19,200		
		xtent : Ligh 1 : Random	t, Area Affected : 2	0%					
	Spalling,	Extent : Lig	ht, Area Affected :	20%					
			oaches Atop Wingw						
Steel	100%			LIFE	* *	2-8	\$19,600		
Pavement Base							, ,,,,,,		
Not Accessible	100%								
Sidewalks									
Concrete	20%	4+	\$15,700	LIFE	* *				
	Cracks, E	xtent : Ligh	t, Area Affected : 1	0%					
	Location	ı : Random							
Concrete	80%			LIFE	* *				
Piers									
Pier,Columns									
Steel	80%			LIFE	* *	2-8	\$982,300		
Steel	20%	4+	\$627,700	LIFE	* *	2-8	\$982,300		
	Corrosion	, Extent : L	ight, Area Affected	: 10%					
	Location	n : Random	Pitting Throughou	t					
Stem,Solid Pier									
Concrete	100%			LIFE	* *				
Footings									
Not Accessible	100%								
Mat (scour & erosion)									
Generic	100%			LIFE	* *				
Deck Elements									
Curbs									
Concrete w/ Steel Face	100%			LIFE	* *				
Guide Railing									
Steel	100%			LIFE	* *				
Median						_	*		
Concrete	100%			LIFE	* *	5	\$16,900		
Sidewalks	0.0-4					_	*= - 00		
Concrete	80%		** 22-	2028	* *	5	\$7,200		
Concrete	20%		\$3,800	2028	* *	5	\$3,600		
			t, Area Affected : 5 , Large Crack At Si		Over Eastern End (Of Tunne	l		
Wearing Surface									
Asphalt	90%			2024	\$293,200	5	\$33,000		
Asphalt	10%	4+	\$3,300	2024	\$32,600	5	\$16,500		
-			t, Area Affected : 1	0%					
	Location	ı : Random	Location						

Superstructure

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

^{**} 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

Bridge Structure		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	(rs) (5 \$39,500	Priority
uperstructure								
Deck,Structural								
Concrete	100%	4+	\$130,200	LIFE	* *	5	\$39,500	
	Cracks, E.	xtent : Ligh	t, Area Affected : 2	%				
	Location	: Cracks V	With Efflorescence .	At Deck	Supporting Subway	y		
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 5%			
	Location	: Undersid	le Of Deck					
	Explana	tion : Peeli	ng Paint					
Primary Member								
Concrete Encased Steel	100%			LIFE	* *	5	\$181,000	

^{**} 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
Total		\$644,500
Importance Code A		\$264,200
Importance Code B		\$39,300
Importance Code C		\$341,000
Total		\$644,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$104,000		\$26,300	
Total	\$104,000		\$26,300	
Importance Code A	\$2,400		\$22,300	
Importance Code B	\$36,700		\$3,900	
Importance Code C	\$64,900			
Total	\$104,000		\$26,300	



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	* *			
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%		\$21,800	LIFE	**			
	_	_	al, Extent : Light, A	Area Affe	cted : 10%			
	Location	ı: Both Ap	proaches					
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Pedestals								
Concrete	100%			LIFE	* *			
Stem (breastwall)			***					
Concrete	5%		\$14,900	LIFE	* *			
			lerate, Area Affecte	ra: 40%				
		ı : Through	<i>оит</i>					
Concrete	95%			LIFE	* *			
Wingwalls								
Footings	4.0.0							
Not Accessible	100%							
Mat (scour & erosion)	4.0.0							
Earth	100%			LIFE	* *			
Piles	1000/							
Not Accessible	100%							
Walls	1000/	4	Φ1 2 400	T TEE	* *			
Concrete	100%	4+	\$12,400	LIFE	* *			
		_	t, Area Affected : 5	0%0				
		ı : Through						
Masonry	100%		\$2,000	LIFE	* *			
			od, Extent : Light, A	Area Affe	cted : 10%			
		ı : Through						
			Extent : Light, Area		: 100%			
			tment North Wing					
	-		Wingwall Is Mason	ry And L	ies Adjacent To Bi	ıildings;	The Other Three	
Approaches	Wingwa	lls Are Con	crete.					

Approaches

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

^{**} 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	Cu	rrent Repair		Futur	e Replacement	M	aintenance	
System Component Type		Date Estimat ears)	ted Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches								
Pavement	100-		*= . 00		** ** ** ** ** ** ** ** ** ** ** ** **			
Asphalt			\$5,400	2025	\$268,000	4	\$7,300	
		: Light, Area A	-	%				
		roughout All A	_	50/				
		tent : Light, Are		5%				
		andom Location		1 CC . 1	2007			
		tion, Extent : Li	_	Мјјестеа	: 20%			
		egin And End Ap		. D	C	D	A 1 1.	
					t Concrete And 85			
Concrete			\$8,300	2033	* *	4	\$11,100	
		: Light, Area A andom Location	-	70				
		inaom Locaiion it : Light, Area 1		00/				
	-	u . Ligiii, Area 1 oth Joint Heade		070				
Curbs	Location . De	om Join Heade						
Concrete w/ Steel Face	100%			LIFE	* *			
Concrete W, Steel I acc		ent : Light, Ared						
	Location : Th	_	33					
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Sidewalks	1000/		Φ2.200		de de			
Concrete				LIFE	* *			
		: Light, Area A andom Location	-	O .				
iers	Location . Re	indom Locaiion	3					
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	400-1							
Not Accessible	100%							
eck Elements								
Curbs Concrete w/ Steel Face	100%			LIFE	* *			
Concrete w/ Steel Face		ent : Light, Ared						
		eni . Ligni, Ared andom Location		10/0				
	Locunon . Re	Locuion	-					

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

^{**} 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

Bridge Structure	Current Repair	Futur	e Replacement	М	aintenance				
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Deck Elements									
Median									
Concrete	90%	LIFE	* *	5	\$21,700				
Concrete	10% 4+ \$2,100		* *	5	\$21,700				
	Cracks, Extent: Light, Area Affected.	20%							
	Location: Random Locations								
Railings/Parapets									
Concrete	100%	2033	**	4	\$800				
	Other Observation, Extent : Light, Are	ea Affected	: 100%						
	Location:								
	Explanation : Concrete Parapet								
Steel	100%	LIFE	* *	2-8	\$4,800				
	Other Observation, Extent : Light, Are	ea Affected	: 100%						
	Location:								
	Explanation : Steel Railing								
Sidewalks				_					
Concrete	100% 4+ \$7,600		* *	5	\$5,300				
	Cracks, Extent: Light, Area Affected: 5%								
	Location: Random Locations								
Wearing Surface	400			_	*== 000				
Concrete	100% 4+ \$25,900		* *	5	\$73,000				
	Spalling, Extent: Light, Area Affected		1777 . 41						
	Location: Along Armored Joint Alo.	ng East An	d West Abutment						
Superstructure									
Deck,Structural	1000/								
Not Accessible	100%								
Primary Member	1000/	LIDE	مات مات	2.0	Ф41 0 200				
Steel	100%	LIFE	* *	2-8	\$412,300				
	Corrosion, Extent : Light, Area Affect Location : Throughout	ea : 10%							
Secondary Member									
Not Accessible	100%								

^{**} 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 Agency's Number : N/A
Program / Asset # : DOT0027.0A0 / 4323 Yr Built/Renovated : 1954 /

Area Sq Ft : 102,200 Project Type : HIGHWAY BRIDGES

Date of Survey : 18-Jul-2011 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 223201A

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$282,600	\$815,200
Total	\$282,600	\$815,200
Importance Code A	\$282,600	\$490,900
Importance Code B		\$158,400
Importance Code C		\$165,900
Total	\$282,600	\$815,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$101,000		\$65,100	\$6,900
Total	\$101,000		\$65,100	\$6,900
Importance Code A	\$16,600		\$49,200	\$5,700
Importance Code B	\$40,800		\$15,900	
Importance Code C	\$43,500			\$1,200
Total	\$101,000		\$65,100	\$6,900



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Current Repair	Future Replace	Future Replacement Maintenance			
% of Fail Date Estimated Co Total (Years)	st Year Estimate FY	ed Cost	Cycle (Yrs)	Estimated Cost	Priori
	25% Of The Bridge Is	Covered	With Te	mporary Under	
Deck Snieta.					
100%					
10070					
100%					
10070					
100%					
50%	LIFE	* *			
Location : Begin Abutment					
Explanation: Under Construction					
50%	LIFE	* *			
100%					
100%					
Other Observation, Extent : Light, A	rea Affected : 0%				
Location:					
Explanation: Under Construction					
	rea Affected : 0%				
Explanation: Under Construction					
1000/					
100%					
1000/					
100%					
800%	I IEE	* *			
		-44-			
_	птен пујестен . 4070				
	100% Other Observation, Extent: Light, A. Location: Under Construction, Deck Shield. 100% 100% 100% 100% 100% 50% Other Observation, Extent: Light, A. Location: Begin Abutment Explanation: Under Construction 50% 100% 100% 100% 100% Other Observation, Extent: Light, A. Location: Explanation : Under Construction 100% Other Observation, Extent: Light, A. Location: Explanation: Under Construction 100% Other Observation, Extent: Light, A. Location: Explanation: Under Construction 100% 100% 100% 100% 100% 80% 20% 4+ \$21,60	100% Other Observation, Extent: Light, Area Affected: 0% Location: Under Deck Shield Begins With End Abutment Explanation: Under Construction, 25% Of The Bridge Is Deck Shield. 100% 100% 100% LIFE Other Observation, Extent: Light, Area Affected: 100% Location: Begin Abutment Explanation: Under Construction 50% LIFE 100% Other Observation, Extent: Light, Area Affected: 0% Location: Explanation: Under Construction 100% Other Observation, Extent: Light, Area Affected: 0% Location: Explanation: Under Construction 100% Other Observation, Extent: Light, Area Affected: 0% Location: Explanation: Under Construction 100% Other Observation, Extent: Light, Area Affected: 0% Location: Explanation: Under Construction 100% 100% 100% LIFE Vegetation Growth, Extent: Severe, Area Affected: 40%	100% Other Observation, Extent: Light, Area Affected: 0% Location: Under Construction, 25% Of The Bridge Is Covered Deck Shield. 100% 100% 100% 100% LIFE ** 100% 50% LIFE ** 100% LIFE ** 100% 100% 100% 100% LIFE ** 100% 100% 100% LIFE ** 100% LIFE ** 100% 100% LIFE ** 100% 100% LIFE ** 100% 100% LIFE ** 100% 100% 100% LIFE ** 100% LIFE ** 100% 100% LIFE ** 100% 100% 100% LIFE ** 100% LIFE ** 100% 100% LIFE ** 100% LIFE ** 100% 100% 100% 100% 100% 100% 100% 100% LIFE ** Light, Area Affected: 0% Location: Explanation: Under Construction 100% 100% 100% LIFE ** LIFE ** Light, Area Affected: 0% Location: Explanation: Under Construction	Year Estimated Cost Year Estimated Cost Cycle Total (Years) Fy Estimated Cost Cycle Fy Cycle Fy Cycle Fy Cycle Fy Cycle Cyrs Cycle Cycle	Year Estimated Cost Year Estimated Cost Cycle (Yrs)

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

idge Structure		Current I	Repair	Futur	e Replacement	М	aintenance		
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
proaches									
Pavement									
Asphalt	60%			2024	\$99,600	4	\$2,400		
Asphalt	40%	2-4	\$13,300	2024	\$66,400	4	\$2,400		
	Spalling, Extent : Moderate, Area Affected : 20% Location : Minor Spalls With Deteriorated Surface (beg. Approach)								
		_		-		ch)			
			Extent : Moderate, A		cted : 20%				
		-	ce Of Beg. Approac	eh .					
_		ion : Ruttii	ıg						
Concrete	100%			2032	* *	4			
Curbs	5001				* *				
Concrete w/ Steel Face	60%	4	Φ 7 .000	LIFE	* *				
Concrete w/ Steel Face	40%	4+	\$7,000	LIFE					
		s, Extent : . : Full Len	Severe, Area Affect	ea : 100)	%				
C ' L D 'II'	Location	. run Len	gin						
Guide Railing Concrete	CO 0/			2022	* *	4	¢11 400		
	60% 40%	4+	¢0.700	2032 2032	* *	4	\$11,400		
Concrete			\$9,700 t, Area Affected : 1			4	\$11,400		
		: Random	і, Агей Аујесіей . 1	070					
			ht, Area Affected :	10%					
	-	мет . ыв : Random		10/0					
Pavement Base	Location	. Itanaom							
Not Accessible	100%								
Sidewalks	100/0								
Concrete	60%			LIFE	* *				
Concrete	40%	4+	\$8,600	LIFE	* *				
			ht, Area Affected :						
		: At Surfa							
			Extent : Light, Area	Affected	! : 10%				
	-		ated Concrete Alor						

Piers

^{**} 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

idge Structure	Curre	nt Repair	Futur	e Replacement	M	aintenance			
tem Component Type	% of Fail Da Total (Year	te Estimated Cost s)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
S									
Cap Beam									
Concrete	75%		LIFE	* *					
Concrete	25% 4+	\$282,600	LIFE	* *					
		loderate, Area Affect	ed: 20%						
	Location : Rando								
	Delaminations, Ex	tent : Moderate, Are	a Affected	: 10%					
	Location : Rando	от							
	Exposed Reinforce	ement, Extent : Mode	rate, Area	Affected: 20%					
	Location : Rando	от							
	Rust Stains, Extent : Moderate, Area Affected : 20%								
	Location : Rando								
		Light, Area Affected	: 10%						
	Location : Rando	от							
		, Extent : Moderate,	Area Affe	cted : 20%					
	Location : Rando								
	Explanation : Sp Meshes.	alls With And Withou	ut Exposed	l Reinforcement A	re Covere	ed With Steel			
Steel	100%		LIFE	* *	2-8	\$1,135,000			
	Corrosion, Extent	: Severe, Area Affect	ted : 30%						
	Location: Rando	om							
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 Affe	cted : 20%					
	Location: Rando	om							
	Explanation : Sp Meshes.	alls With And Withou	ut Exposea	l Reinforcement A	re Covere	ed With Steel			
Steel	100%		LIFE	* *	2-8	\$455,900			
	Other Observation	, Extent : Light, Ared	a Affected	: 30%					
	Location: Rando	om							
	Explanation : Pa	int Peeling							
Stem,Solid Pier									
Concrete	70%		LIFE	* *					
Concrete	30% 4+	\$15,700	LIFE	* *					
		Moderate, Area Affed	cted : 20%						
	Location : Spans	14-16							
Brngs, Ancr Blts, Pads	100%								
Under Construction									
	10070								
Footings									
	100%								

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

Bridge Structure		Current l	Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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%							

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$82,300		\$250,500	\$2,600
Total	\$82,300		\$250,500	\$2,600
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
Total	\$82,300		\$250,500	\$2,600



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals	400-							
Not Accessible	100%		7 7 . 7 . 4	A CC				
			Extent : Light, Area	Ађестеа	: 0%			
		n : Through	oui er Construction. Th	a Abutm	ant Is Within Contr	actor St	nga Araa	
Backwall	Ехриани	nion . Onae	er Construction. In	e Abuime	eni is wunin Conir	actor sit	ige Area	
Not Accessible	100%							
Brngs,Ancr Blts,Pads	10070							
Not Accessible	100%							
Footings	10070							
Not Accessible	100%							
Joint with Deck								
Generic	100%	2-4	\$38,600	LIFE	* *			
	Broken/M	issing Elen	nents, Extent : Seve	re, Area	Affected : 70%			
	Locatio	n : Joint Fil	ler Is Missing At E	nd Abutn	nent			
			vere, Area Affected					
	Locatio	n : Concret	e Joint Headers Ald	ong The I	Edge Of End Abutn	nent		
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Pedestals								
Not Accessible	100%							
Stem (breastwall)	400-							
Not Accessible	100%							
Walls	1000/							
Not Accessible	100%							
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion)	10070							
Earth	100%			LIFE	* *			
Piles	10070			DII D				
Not Accessible	100%							
Walls								
Granite	100%			LIFE	* *			
Approaches								
Pavement								
Asphalt	60%			2024	\$90,100	4	\$2,400	
Asphalt	40%	2-4	\$24,000	2024	\$60,000	4	\$2,400	
		xtent : Seve n : Random	ere, Area Affected :	50%				
Concrete	100%			2032	* *	4		
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
	Corrosion	ı, Extent : S	evere, Area Affecte	d: 60%				
	Locatio	n : Along B	ottom Of Steel Faci	ng				

Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches						
Guide Railing	4007	2022	de de		Φ2.000	
Concrete	40%	2032	* *	4	\$2,900	
Concrete	60% 0-2 S Cracks, Extent : Severe, Area	\$19,700 2032	* *	4	\$2,900	
	Location: Throughout	Affectea : 00%				
	Spalling, Extent : Severe, Area	a Affected · 60%				
	Location: Throughout	aryjeetea . 0070				
Granite	100%	LIFE	* *			
Grannte	Other Observation, Extent : L		. 30%			
	Location : End Approach	igiii, iirea rijjeetea	. 5070			
	Explanation : Covered By C	onstruction Fence				
Pavement Base						
Not Accessible	100%					
Sidewalks						
Concrete	95%	LIFE	* *			
Concrete	5% 2-4	\$800 LIFE	* *			
	Spalling, Extent : Light, Area	Affected : 10%				
	Location: Random					
Piers						
Cap Beam	90%	LIFE	* *	20	\$061.100	
Steel Steel		\$65,000 LIFE	* *	2-8 2-8	\$961,100 \$961,100	
Steel	Rust Stains, Extent : Light, Ar			2-0	\$901,100	
	Location: Random	ca nyjecica . 1070				
	Other Observation, Extent : L	ight. Area Affected	: 10%			
	Location: Random					
	Explanation: Paint Peeling					
Pier,Columns						
Steel	90%	LIFE	* *	2-8	\$342,000	
Steel		124,400 LIFE	* *	2-8	\$342,000	
	Corrosion, Extent : Light, Are	a Affected : 10%				
	Location : Random					
Stem,Solid Pier	1000/					
Not Accessible	100%					
Brngs, Ancr Blts, Pads	100%	r mere	* *	20	ቀ ደ ሰብላ	
Steel	100% Rust Stains, Extent : Light, Ar	LIFE	* *	2-8	\$5,000	
	Location : Random	си пујескей . 3/0				
Footings	200mon : Itantion					
Not Accessible	100%					
Mat (scour & erosion)	= * * / *					
Earth	100%	LIFE	* *			
Pedestals						
Steel	100% 4+	\$60,000 LIFE	* *			
	Corrosion, Extent : Moderate	, Area Affected : 15	5%			
	Location: Random					

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.

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

^{**} 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		
system Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements							
Curbs							
Concrete w/ Steel Face	98% 4+ Other Observation, Location: Throug Explanation: Sur		LIFE a Affecte	* * d : 100%			
Concrete w/ Steel Face	2% Now	\$4,100	LIFE	* *			
Concrete w/ Steel Face		ements, Extent : Seve		Affected : 75%			
Gratings							
Steel	100%		LIFE	* *			
Railings/Parapets	1000/	410.300		de de	• •	φ4 π 000	
Steel	100% 4+ Corrosion, Extent : Location : Randon	\$10,300 Light, Area Affected m	LIFE !: 10%	**	2-8	\$17,000	
Sidewalks							
Concrete	95%		2028	* *	5	\$100	
Concrete	5% 2-4		2028	* *	5		
	Spalling, Extent : L Location : Rando	ight, Area Affected : m	10%				
Wearing Surface					_		
Asphalt	80%	Ф12.000	2024	\$173,700	5	\$19,300	
Asphalt	20% 2-4 Cracks, Extent: Ser Location: At Join	\$13,000 were, Area Affected : ats	2024 30%	\$43,400	5	\$9,700	
iperstructure							
Deck,Structural							
Concrete	Location : Throug	Extent : Light, Area thout der Construction An			5	\$22,600	
Concrete	40% 2-4	\$301,600	LIFE	* *	5	\$22,600	
	Cracks, Extent : Mo Location : Randon	oderate, Area Affecte m	ed : 20%				
	Location: Rando						
	Exposed Reinforcer Location : Joints	nent, Extent : Light,	Area Affe	ected : 5%			
	Other Observation, Location: Randon	Extent : Light, Area m	Affected	: 5%			
	Explanation : Hor	neycombing					
Joints							
Generic	40%		LIFE	* *			
Generic	60% Now Joints Missing, Extended Location: 3rd An	\$38,100 ent : Severe, Area A <u>f</u> d 4th Joints	LIFE fected : 6	* *			
	Leakage, Extent: M. Location: 1st And	Ioderate, Area Affec l 2nd Joints	ted : 20%	ó			

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

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

DEPARTMENT OF TRANSPORTATION - 841 FDR SB RAMP/SOUTH ST

Bridge Structure		Current R	epair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Concrete	80%			LIFE	* *	5	\$21,600	
Concrete	20%	2-4	\$113,900	LIFE	* *	5	\$21,600	
	Cracks, Ex	ctent : Sever	e, Area Affected :	75%				
	Location	: Random A	At Spans 9-10 As I	Per Nysd	ot Insp.			
	Efflorescer	nce, Extent .	: Severe, Area Aff	ected : 7:	5%			
	Location	: Random A	At Spans 9-10 As	Per Nysd	ot Insp.			
	Other Obs	ervation, Ex	ctent : Severe, Are	a Affecte	d : 75%			
	Location	: Random A	At Spans 9-10 As	Per Nysd	ot Insp.			
	Explanat	tion : Stalac	tite, Map Cracks	With Wet	Stains And Scalin	g		
Steel	95%			LIFE	* *	2-8	\$824,500	
Steel	5%	4+	\$92,300	LIFE	* *	2-8	\$824,500	
	Corrosion, Extent : Light, Area Affected : 10%							
	Location		3, , , , , , , , , , , , , , , , , , ,					
	Other Obs	ervation. Ex	ctent : Light, Area	Affected	. 5%			
		: Random	2.5,	11,500,000	. 2,0			
	Explanat	tion : Paint	Peeling					
Secondary Member	2. Pronton							
Steel	100%	4+	\$3,600	LIFE	* *	2-8	\$690,700	
Steel			vere, Area Affecte			2 0	φορο, του	
			nd Diaphragm Oj		& 3 At Pier 6			
		=	ctent : Light, Area	-				
		: Random	iiciii . Bigiii, meu	11,,, сстей	. 570			
			Daalina					
	Expianai	tion : Paint 1	reeung					

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

Area Sq Ft : 70,113 Project Type : HIGHWAY BRIDGES

Date of Survey : 25-Jul-2011 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2233038

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$52,800		\$208,800	_
Total	\$52,800		\$208,800	
Importance Code A			\$139,200	
Importance Code B			\$69,600	
Importance Code C	\$52,800			
Total	\$52,800		\$208,800	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M		
System Component Type		ail Date Estimated C Years)	ost 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%		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	* *			
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Generic	100%		LIFE	* *			
Piles							
Not Accessible	100%						
Walls							
Concrete	100%		LIFE	* *			
Approaches							
Pavement							
Asphalt	100%	4+ \$23,4	00 2024	\$234,000	4	\$4,300	
		nt : Moderate, Area A <u>f</u> Throughout	fected : 20%				
Concrete	100%		2032	* *	4		
Curbs							
Concrete	100%		LIFE	* *			
Embankment							
Not Accessible	100%						
Guide Railing							
Concrete	100%		2032	* *	4		
Mat (scour & erosion)	100,0				-		
Earth	100%		LIFE	* *			
Pavement Base	10070						
Not Accessible	100%						
Sidewalks	10070						
Concrete	100%		LIFE	* *			
Piers	100/0		LILE				
Cap Beam							
Cap Beam Concrete	100%		LIFE	* *			
Steel	100%		LIFE	* *	2-8		
Steet	100%		LIFE		4-0		

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

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
Piers								
Pier,Columns								
Concrete	100%			LIFE	* *			
Concrete Encased Steel	100%			LIFE	* *	5		
Stem, Solid Pier								
Concrete	100%		4 4 60 4 5	LIFE	* *			
			t, Area Affected : 5 Face Of Pier 33	%				
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
Deck Elements								
Guide Railing								
Concrete	100%			2036	* *			
Mono Deck Surface								
Concrete	100%		4 4 60 4 5	2043	* *	5		
		xtent : Ligh i : Random	t, Area Affected : 5	%				
Railings/Parapets								
Concrete	100%	4+	\$42,100	2032	* *	4	\$9,700	
		_	t, Area Affected : 2	%				
	Location	: At Joints	Along Fascia					
Wearing Surface								
Concrete	100%			2032	* *	5	\$58,900	
Superstructure								
Deck,Structural	1.000/			LIDE	* *	-	Φ11 100	
Concrete	100%			LIFE	* *	5	\$11,100	
Joints	1000/			LIDD	* *			
Generic	100%			LIFE	-11-			
Primary Member Steel	10%	4+	\$835,800	LIFE	* *	2-8	\$1.206.200	
Steel			จิชิวว,800 ight, Area Affected		4. 4.	2-0	\$1,296,200	
			agni, Area Ajjeciea Ecrapes With Rust S		Rottom Flange Of	Girdors	In Span 34	
Garat.		і . Ітрисі з	crupes will Rusi s		**			
Steel	90%			LIFE	* *	2-8	\$1,296,200	
Secondary Member Steel	100%			LIFE	* *	2-8	\$1,085,800	

Maintenance \$ are aggregated over a ten-year 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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$101,300		\$1,200	
Total	\$101,300		\$1,200	
Importance Code A	\$22,800		\$1,200	
Importance Code B	\$15,000			
Importance Code C	\$63,500			
Total	\$101,300		\$1,200	



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

^{**} 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

Bridge Structure		Current	Repair	Future Replacement Maintenance			aintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments									
Footings									
Not Accessible	100%								
Stem (breastwall)									
Concrete	100%			LIFE	* *				
Tile	100%		\$15,000	LIFE	* *				
	_	_	ght, Area Affected :	5%					
	Location	ı : Span 1 V	West Face						
Wingwalls									
Footings									
Not Accessible	100%								
Piles									
Not Accessible	100%								
Walls									
Concrete	100%			LIFE	* *				
Granite	100%			LIFE	* *				
Approaches									
Pavement									
Asphalt	80%			2025	\$4,032,500	4	\$72,500		
Asphalt	20%		\$20,200	2022	\$1,008,100	4	\$48,300		
		_	t, Area Affected : 3	0%					
		ı : Random							
			ight, Area Affected	: 50%					
		ı : Random							
		_	ht, Area Affected :	50%					
	Location	ı : Random	Locations						
Curbs	105								
Concrete w/ Steel Face	100%			LIFE	* *				
Granite	70%			LIFE	* *				
Granite	30%		\$7,200	LIFE	* *				
			Light, Area Affected	: 10%					
	Location	ı: Through	out						
Embankment									
Not Accessible	100%								
Guide Railing									
Steel	100%			LIFE	* *	2-8	\$5,800		

Maintenance \$ are aggregated over a ten-year period. Site 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	Current Repair Future Replacement			Maintenance		
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Estima	ated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches							
Sidewalks	1000/ 4 .	ΦC 100 LIFE	* *				
Cobblestone	100% 4+	\$6,100 LIFE					
	Joint Motar Miss/Erod, Exter Location: Random Locatio		%0				
	Loose Elements, Extent : Light						
	Location: Random Locatio						
	Recent Replace Evident, Exte		10%				
	Location : Random Locatio						
	Other Observation, Extent : I Location : East Approach	Light, Area Affected : 100%	í				
	Explanation: Consists Of 5 Concrete Pavers	0 Percent Concrete, 20 Per	cent Cobble	estone Ar	nd 30 Percent		
Concrete	100% 4+	\$6,400 LIFE	* *				
00101010	Cracks, Extent : Light, Area	Affected : 5%					
	Location: Random Locatio	ns Along West Approach					
Masonry	100% 4+	\$6,700 LIFE	* *				
	Broken, Missing Pave, Extent	: Light, Area Affected : 5%	ó				
	Location: Random Locatio	ns Along East Approach					
Piers							
Stem,Solid Pier							
Concrete	100%	LIFE	* *				
Tile	100%	LIFE	* *				
Footings	1000/						
Not Accessible	100%						
Mat (scour & erosion) Not Accessible	100%						
Deck Elements	100%						
Curbs							
Concrete w/ Steel Face	100%	LIFE	* *				
Granite	100%	LIFE	* *				
	Settlement, Extent : Light, Ar	ea Affected : 50%					
	Location: Random Locatio	ns					
Median							
Concrete	20% 4+	\$5,000 LIFE	* *	5	\$15,600		
	Cracks, Extent: Light, Area						
	Location : Random Locatio						
Concrete	80%	LIFE	* *	5	\$15,600		
Railings/Parapets	1000/	6000		,	4.22 0.05		
Concrete	100%	2033	* *	4	\$32,000		
	Cracks, Extent: Light, Area A Location: Random Location						
Steel	100%	LIFE	* *	2-8	\$29,300		
	Corrosion, Extent : Light, Are						
0:1	Location: Random Locatio	ns					
Sidewalks Concrete	100%	2029	* *	5	\$82,600		
Concrete	100/0	2027		<i>J</i>	φο2,000		

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

^{**} 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

Bridge Structure	Current Repa	air Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Es Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Wearing Surface				_		
Asphalt	100% 4+	\$41,800 2025	\$836,700	5	\$30,500	
	Cracks, Extent : Light, A	55				
	Location : Random Loc	ations				
	Settlement, Extent : Light	, Area Affected : 10%				
	Location : Random Loc	ations				
Superstructure						
Deck,Structural						
Concrete	10% 4+	\$32,900 LIFE	* *	5	\$101,500	
	Broken/Missing Elements					
	Location : Random Loc	ations				
Concrete	5% Now	\$41,200 LIFE	* *	5	\$101,500	
	Spalling, Extent : Modera	ite, Area Affected : 50%	6			
	Location : Span 2 Right	Side				
Concrete	85%	LIFE	* *	5	\$101,500	
3311414	Broken/Missing Elements		rea Affected : 40%		\$101 , 200	
	Location : Random Loc		33			
Primary Member						
Concrete	100%	LIFE	* *	5	\$474,300	
Secondary Member					•	
Concrete	100%	LIFE	* *	5		

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

Area Sq Ft : 14,058 Project Type : HIGHWAY BRIDGES

Date of Survey : 12-Jul-2011 Landmark Status : NONE

Areas Surveyed :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$93,200	\$2,800	\$28,600	\$14,300
Total	\$93,200	\$2,800	\$28,600	\$14,300
Importance Code A	\$66,100		\$14,700	\$4,300
Importance Code B			\$14,000	
Importance Code C	\$27,100	\$2,800		\$10,000
Total	\$93,200	\$2,800	\$28,600	\$14,300



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

ridge Structure		Current l	Repair	Futur	re Replacement	М	aintenance	
vstem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
outments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	* *			
			Extent : Light, Area	Affected	!: 2%			
		n : Northea.						
-	Explana	ition : Vege	tation Growth At N	ortheast	Fascia			
Backwall	1000				de de			
Concrete	100%			LIFE	* *			
Brngs,Ancr Blts,Pads	1000			20.42	de de			
Elastomeric	100%			2043	* *			
Footings	1000							
Not Accessible	100%	1						
Mat (scour & erosion)	1000/			TIPE	* *			
Earth	100%	1		LIFE	* *			
Pedestals	1000				de de			
Concrete	100%	1		LIFE	* *			
Stem (breastwall)	1000				* *			
Concrete	100%			LIFE	* *			
Granite	100%	1		LIFE	* * *			
ingwalls								
Footings	1000/							
Not Accessible	100%							
Mat (scour & erosion)	1.000/			TIPE	* *			
Earth	100%	1		LIFE				
Piles Not Accessible	100%							
Walls	100%							
Concrete	100%			LIFE	* *			
Granite	100%			LIFE	* *			
Granite			Extent : Light, Area					
		n : All Wing		Ајјестеи	. 100/0			
			e Facing On Concr	oto Wina	walls			
nnragahas	Ехрини	iiion . Sione	racing on concr	eie wing	waiis			
proaches Pavement								
Asphalt	80%			2024	\$118,500	4	\$3,400	
Asphalt	20%		\$3,000	2024	\$29,600	4	\$3,400	
rispitati			t, Area Affected : 1		Ψ27,000	7	ψ3,400	
			st Side Of The App		ound Con Edison I	Manhole		
Concrete	100%			2032	* *	4	\$16,600	
Curbs	100%	·		2032		4	\$10,000	
Curbs Concrete w/ Steel Face	70%			LIFE	* *			
Concrete w/ Steel Face Concrete w/ Steel Face	30%		\$16,500	LIFE	**			
Concrete w/ Steel Face			\$10,500 nents, Extent : Seve					
		nssing Eien n : Through		ie, Aieu	1111естей . 100/0			
Embankment	Босино	Intough	- wi					
Embankment Earth	100%			LIFE	* *			
<u> </u>	100%			LIFE				

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

^{**} 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 l	Repair	Future Replacement Maintenance					
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches									
Guide Railing	0.0					• 0			
Steel	80%			LIFE	* *	2-8	\$5,800		
Steel	20%	4+	\$8,500	LIFE	**	2-8	\$5,800		
			Extent : Moderate, A	rea Affe	ected : 15%				
			st And Southwest	** 1		T	1.0		
		ion : Colli. Are Bent.	sion Damage, Fire	Hydrant	And Fenders Are	Tilted. Co	orrugated Steel		
Mat (scour & erosion)	Kanings	Аге Беш.							
Earth	100%			LIFE	* *				
Pavement Base	10070			LII L					
Not Accessible	100%								
Sidewalks	10070								
Concrete	90%			LIFE	* *				
Concrete		Growth. I	Extent : Moderate, A		ected : 20%				
	-		oach Sidewalks	1,00,11,50	20,0				
Concrete	10%	4+	\$7,900	LIFE	* *				
Concrete			\$7,900 nents, Extent : Sever						
					00	owalk			
	Location : At All Sidewalk Approaches Next To Deck Element Sidewalk Other Observation, Extent : Light, Area Affected : 100%								
			xieni . Ligni, Area dewalk Approaches		. 100%				
			alt Expansion Joint						
Piers	Ехріанаі	ion . Aspin	an Expansion Joini						
Stem, Solid Pier									
Concrete	100%			LIFE	* *				
Granite	100%			LIFE	* *				
Granic		ervation. F	Extent : Light, Area		: 100%				
			Of Pier Wall	2550000	. 10070				
			Veneer Full Heigh	t Of Pie	r				
Brngs, Ancr Blts, Pads	2.vp verver		7 011001 1 1111 1101811	i oj i ici	•				
Elastomeric	100%			2043	* *				
Footings	10070								
Not Accessible	100%								
Mat (scour & erosion)	10070								
Generic	100%			LIFE	* *				
Pedestals	10070			LII L					
Concrete	100%			LIFE	* *				
Piles	10070								
Not Accessible	100%								
Deck Elements	100,0								
Curbs									
Concrete w/ Steel Face	100%	4+	\$33,000	LIFE	* *				
			Light, Area Affected						
		: Through							
Median									
Concrete	100%			LIFE	* *	5	\$1,600		
	100,0						42,000		

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

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								
Mono Deck Surface		_				_		
Concrete	100%	4+	\$5,600	2043	* *	5	\$36,600	
		_	t, Area Affected : 2					
	Location	: Crack In	Deck Over The Pi	er				
Railings/Parapets								
Concrete	95%			2032	* *	4	\$8,500	
Concrete	5%	4+	\$2,900	2032	* *	4	\$8,500	
	Cracks, Extent: Light, Area Affected: 10%							
	Location	: Random						
Steel	100%			LIFE	* *	2-8	\$11,700	
Sidewalks								
Concrete	55%			2028	* *	5	\$5,600	
Concrete	45%	4+	\$10,600	2028	* *	5	\$2,800	
	Cracks, Extent : Light, Area Affected : 10%							
	Location	: Random						
Superstructure								
Deck,Structural								
Concrete	95%			LIFE	* *	5	\$15,500	
			Light, Area Affecte					
	Location	: On Sip F	Forms Of Fascia Gi	rders				
Concrete	5%	4+	\$5,100	LIFE	* *	5	\$15,500	
	Cracks, Ex	tent : Ligh	t, Area Affected : 2	%				
	Location	: Corrosio	on To Sip Forms In	Southea	st Bay			
Primary Member								
Steel	100%			LIFE	* *	2-8	\$259,900	
	Rust Stains	Rust Stains, Extent: Light, Area Affected: 3%						
	Location	: Random	Locations					
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$217,700	

^{**} 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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$47,100		\$2,200	
Total	\$47,100		\$2,200	
Importance Code A			\$300	
Importance Code B	\$7,100			
Importance Code C	\$40,000		\$1,900	
Total	\$47,100		\$2,200	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (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	* *			
	Missing/Damaged S	eal, Extent : Light, A	Area Affe	cted : 20%			
	Location: Both Al	outments					
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Stem (breastwall)							
Not Accessible	100%						
Walls	10070						
Not Accessible	100%						
Not Accessible	Other Observation,	Ertont : Light Area	Affected	. 0%			
	Location:	Extent . Light, Area	Ајјестеи	. 070			
		Wall Is I posted De	hind End	Loguno Wall With	Looked D	loom At West Side	
	Abutment	Wall Is Located Be	enina Enc	iosure wan wiin i	Lоскеа D	oor At West Stae	
Vingwalls	Abumeni						
Footings							
Not Accessible	100%						
	100%						
Piles	1000/						
Not Accessible	100%						
Walls	0.504			ate ate			
Concrete	95%		LIFE	* *			
Concrete	5% 4+	\$10,600	LIFE	**			
	Broken/Missing Elen		t, Area Aj	fected : 5%			
	Location: North S						
	Cracks, Extent: Lig		%				
	Location : North S						
	Vegetation Growth,	Extent : Moderate, 1	Area Affe	cted : 80%			
	Location: North S	ide					
pproaches							
Pavement							
Asphalt	100%		2025	\$146,300	4	\$4,000	
Concrete	100% 4+	\$4,600	2033	* *	4	\$10,300	
	Cracks, Extent: Lig.					. ,	
	Location : End Ap						
	Spalling, Extent : Li		5%				
	Location : End Ap		570				
Curbs	Document Line 177	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Concrete	100%		LIFE	* *			
Concrete	0ther Observation,	Extent · Light Aug.					
	Location : North S		Аујестеа	. 100/0			
		•	a Ou.1-				
F 1 1	Explanation : Curl	os Exist On One Sid	e Only				
Embankment	100			ata - t			
Generic	100%		LIFE	* *			
Guide Railing							
Steel	100%		LIFE	* *	2-8	\$2,900	

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

^{**} 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 Repa	ir Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Est Total (Years)	imated 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	* *			
	Other Observation, Exten	t : Light, Area Affected	: 100%			
	Location : North Side O	nly				
	Explanation: Curbs Exp	ist On One Side Only				
Guide Railing						
Concrete	100%	2037	* *			
Mono Deck Surface						
Concrete	100% 4+	\$10,100 2044	* *	5	\$21,100	
	Cracks, Extent : Light, Ar	ea Affected : 20%				
	Location : Scattered Thi	roughout				
	Spalling, Extent : Light, A	rea Affected : 40%				
	Location : Scattered Thi	roughout				
Railings/Parapets						
Steel	100%	LIFE	* *	2-8	\$6,400	
	Other Observation, Exten	t : Light, Area Affected	: 100%			
	Location : Throughout					
	Explanation : Steel Fend	ce				
Sidewalks						
Concrete	100%	2029	* *	5	\$3,800	
Superstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$10,600	
Joints						
Generic	100% 4+	\$13,400 LIFE	* *			
	Missing/Damaged Seal, E	Extent : Light, Area Affe	cted : 5%			
	Location : Throughout S	Structure				
	Other Observation, Exten	t : Light, Area Affected	: 2%			
	Location : Scattered Thi	roughout				
	Explanation : Broken/ M	Iissing Steel Plates				
Primary Member						
Not Accessible	100%					
Secondary Member						
Secondary Member						

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

^{**} 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**

Asset Name : FORDHAM PLAZA METRO NORTH RAILROAD

Address : E189TH ST, PARK AVE.

Borough : BRONX Agency's Number : N/A
Program / Asset # : DOT0057.000 / 2482 Yr Built/Renovated : 1889 /

Area Sq Ft : 40,080 Project Type : HIGHWAY BRIDGES

Date of Survey : 19-Dec-2012 Landmark Status : NONE

Areas Surveyed :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$75,100		\$41,800	
Total	\$75,100		\$41,800	
Importance Code A	\$30,100		\$39,900	
Importance Code C	\$45,000		\$2,000	
Total	\$75,100		\$41.800	



^{**} 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 Re	epair	Future R	eplacement	M	aintenance	
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments Bridge Seat&pedestals Not Accessible	100% Other Observation, Ex Location : Underside Explanation : Not Ac	Of Bridge			Flagman		
Backwall	T	<u>r</u>	1				
Not Accessible	100%						
Brngs,Ancr Blts,Pads Not Accessible	100%						
Footings Not Accessible	100%						
Joint with Deck	10070						
Generic	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Stem (breastwall) Concrete	100% Other Observation, Ex- Location : Throughor	_	LIFE Affected : 5	**			
	Explanation: Not Ac	cessible For Inspe	ection. Requ	iires Railroad I	Flagman.		
Walls							
Granite	100% Other Observation, Ext Location : Throughou Explanation : Stone 1	ut			mas Baile	and Flagman	
vingwalls	Explanation . Stone 1	deing Not Access	avie For In	<i>speciion.</i> ке qиі	res Kanr	oaa r tagman.	
Footings Not Accessible	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Piles Not Accessible	100%						
Walls							
Concrete	100%		LIFE	* *			
pproaches							
Pavement Brick	100% 4+ Other Observation, Ext Location : Random L Explanation : Settlem	ocations	2025 Affected : 1	\$301,800 0%	4	\$209,900	
Concrete	100% 4+ Settlement, Extent: Lig Location: Random L Other Observation, Ext Location: Throughou Explanation: Consis	\$82,400 ght, Area Affected ocations tent: Light, Area ut	Affected : 1		4	\$65,300	

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

idge Structure	Current Repair	Future Replace	ement	М	aintenance	
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimate FY	ed Cost	Cycle (Yrs)	Estimated Cost	Priori
proaches						
Curbs						
Granite	100% 4+ \$30,100 Other Observation, Extent: Light, Are Location: Throughout Explanation: Broken/Missing Stone	a Affected : 20%	* *			
Guide Railing						
Steel	100% Other Observation, Extent : Light, Are Location : South Side		* *	2-8		
	Explanation: Only One Side Of The	Bridge Has Guide R	ailing			
Sidewalks	1000	· ·				
Concrete	100% Cracks, Extent : Light, Area Affected : Location : Random Locations	LIFE 5%	* *			
Masonry	100% 4+ \$2,500 Broken,Missing Pave, Extent: Light, A Location: Isolated Location Other Observation, Extent: Light, Are Location: Throughout Explanation: Concrete Pavers		* *			
ck Elements						
Curbs						
Granite	100% Other Observation, Extent: Light, Are Location: Throughout Explanation: Specifically, Stone	LIFE a Affected : 100%	* *			
Median						
Concrete	100% Other Observation, Extent: Light, Are Location: Throughout Explanation: Concrete Pavers	LIFE a Affected : 100%	* *	5	\$1,800	
Mono Deck Surface						
Concrete	100% 4+ \$23,200 Cracks, Extent: Light, Area Affected: Location: Random Locations Other Observation, Extent: Light, Are		* *	5	\$106,500	
	Location : Throughout Explanation : Consists Of 10 Percent Pavers	t Concrete And 90 P	ercent C	overed B	y Concrete	
Not Accessible	100%					
Railings/Parapets	1000/	2022	* *	A		
Concrete Steel	100% 100%	2033 LIFE	**	4 2.8	\$2,500	
	10070	LIFE	- •	2-8	\$2,500	
Sidewalks						

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

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

DEPARTMENT OF TRANSPORTATION - 841 FORDHAM PLAZA METRO NORTH RAILROAD

Bridge Structure	Current Re	pair	Futur	e Replacement	М	aintenance		
system Component Type	% of Fail Date E Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
eck Elements								
Wearing Surface								
Concrete	90%		2033	* *	5	\$140,400		
	Other Observation, Exte	-	Affected	: 100%				
	Location: Throughou							
	Explanation: Consist.	s Of 90 Percent C	Concrete	Pavers And 10 Pe	rcent Co	ncrete		
Concrete	10% 4+	\$4,200	2033	* *	5	\$70,200		
	Cracks, Extent: Light, A	Area Affected : 59	%					
	Location : Throughou	t						
uperstructure								
Deck,Structural								
Concrete	100%		LIFE	* *	5	\$44,100		
	Corrosion, Extent : Ligh							
	Location : Random Lo	ocations On Stay	In Place	Forms				
	Other Observation, Ext	ent : Light, Area A	Affected	: 50%				
	Location : Throughou	t						
	Explanation : Not Acc	essible For Inspe	ection. R	equires Railroad I	Flagman.			
Joints								
Generic	100%		LIFE	* *				
Primary Member								
Steel	100%		LIFE	* *	2-8	\$740,900		
	Other Observation, Ext	ent : Light, Area A	Affected	: 50%				
	Location: South Side Of Bridge							
	Explanation : Not Acc	essible For Inspe	ection. R	equires Railroad I	Flagman.			
Secondary Member								
Steel	100%		LIFE	* *	2-8			
	Other Observation, Exte	· ·	Affected	: 50%				
	Location: South Side							
	Explanation : Not Acc	essible For Inspe	ection. R	equires Railroad I	Flagman.			

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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$130,700	\$11,700		
Total	\$130,700	\$11,700		
Importance Code A		\$5,300		
Importance Code B	\$52,900			
Importance Code C	\$77,900	\$6,400		
Total	\$130,700	\$11,700		



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	М	aintenance	
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					ate ate			
Concrete	100%			LIFE	* *			
Brngs, Ancr Blts, Pads	1,000/			2051	* *			
Elastomeric	100%			2051	* *			
Footings	100%							
Not Accessible Joint with Deck	100%							
Generic	25%	2-4	\$18,100	LIFE	* *			
Generic			nents, Extent : Ligh		ffected : 10%			
			Locations Through		geelea : 1070			
Generic	75%			LIFE	* *			
Mat (scour & erosion)	1370			LIFE				
Earth	100%			LIFE	* *			
Stem (breastwall)	10070			LII L				
Concrete	35%	4+	\$34,800	LIFE	* *			
Concrete			t : Light, Area Affec					
		: At Top C						
	Leakage, l	Extent : Lig	ght, Area Affected :	2%				
		: At Top C						
	Rust Stain	s, Extent:	Light, Area Affecte	d: 2%				
	Location	: Through	out Below Box Bea	m 12 Th	ru 17			
	Spalling, I	Extent : Lig	ht, Area Affected :	2%				
	Location	: At Top C	Of Wall Below Box	Beam 12	Thru 17			
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	cted : 25%			
	Location	: Through	out					
	Explana	tion : Graf	fiti On Wall Surface	?				
Concrete	65%			LIFE	* *			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)	100				ata ata			
Earth	100%			LIFE	* *			
Piles	1000/							
Not Accessible	100%							
Walls Concrete	100%			LIFE	* *			
Concrete		Growth	Extent : Light, Area					
	_		Locations Through		. 5/0			
Approaches	Documon	. monuom	Zeemons Imough					

Approaches

^{**} 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 l	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Pavement	400		***		*		44 700	
Asphalt	Location Cracks, E Location Other Ob	lissing Elem 1: Through 2xtent: Mod 1: Through 2servation, E	lerate, Area Affecte out Extent : Light, Area	ed : 10%		4	\$1,500	
		n : Through		SO Domon	ut Ambalt And 10	Dana ant 1	Tomorroto	
Comments.			oach Pavement Is (**			
Concrete	Location	servation, E 1 : Through	Extent : Light, Area out oach Pavement Is 4		! : 100%	4) Percent	\$19,300	
Curbs	Вхрини	iioii . rippr	ouch I avenient 13	101 6766	ii concrete iii ii oo) I creeni	Пориш	
Concrete w/ Steel Face			Moderate, Area Afj out	LIFE fected : 5	* *			
Railings/Parapets								
Concrete	Location	servation, E 1 : North Si	Extent : Light, Area de ponent Exists On O					
Sidewalks		1						
Concrete			\$20,200 Moderate, Area Affa st Corner	LIFE ected : 20	* *			
riers research								
Stem,Solid Pier								
Concrete	100%			LIFE	* *			
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Pedestals Not Accessible	100%							
Piles Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face			Moderate, Area Afj out	LIFE fected : 5	* *			

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

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

DEPARTMENT OF TRANSPORTATION - 841 FORT HAMILTON BRIDGE

Bridge Structure	Current I	Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Mono Deck Surface					_		
Concrete	100% 4+	\$5,300	2045	* *	5	\$21,000	
	Cracks, Extent: Ligh						
	Location: Random	Locations Through	iout				
Railings/Parapets							
Concrete	100%		2034	* *	4	\$15,800	
Sidewalks							
Concrete	100% 4+	\$19,900	2033	* *	5	\$7,100	
	Cracks, Extent : Ligh						
	Location : Random	_					
	Settlement, Extent : L		: 2%				
	Location : Adjacent	t To Joint Header					
uperstructure							
Joints							
Generic	100% 2-4	\$10,700	LIFE	* *			
	Broken/Missing Elem		erate, Ai	rea Affected : 20%			
	Location : All Joint						
	Other Observation, E	_	Affected	1:33%			
	Location : South Si						
	Explanation : Joint	s On Pier South Sid	le Only				
Primary Member							
Concrete	15% 4+	\$89,200	LIFE	* *	5	\$37,500	
	Spalling, Extent : Lig						
	Location : Box Bea	m 1 Near Begin Ab	utment				
	Other Observation, E		Area Affe	ected : 10%			
	Location: Span 1, 1						
	Explanation: Prest	ressed Concrete. U	nderside	e Exhibits Moderat	e Scaling		
Concrete	85%		LIFE	* *	5	\$37,500	

^{**} 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

Area Sq Ft : 16,100 Project Type : HIGHWAY BRIDGES

Date of Survey : 31-Oct-2013 Landmark Status : NONE

Areas Surveyed :

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

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



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

^{**} 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	C	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type		ail Date Estimated C Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals	1000/						
Not Accessible	100%						
Backwall Not Accessible	100%						
Brngs, Ancr Blts, Pads	10070						
Not Accessible	100%						
Footings	10070						
Not Accessible	100%						
Joint with Deck							
Generic	55%	2-4 \$34,5	00 LIFE	* *			
		ing Elements, Extent:					
		Concrete Joint Header					
		Plates, Extent : Light, A		: 10%			
		Random Locations Thr	_	. 1 200/			
	_	naged Seal, Extent : Lig		cted : 30%			
		Random Locations Thr					
Generic	45%		LIFE	* *			
Mat (scour & erosion)	1000/						
Not Accessible	100%						
Pedestals Not Accessible	100%						
Stem (breastwall)	10070						
Not Accessible	100%						
Walls	10070						
Not Accessible	100%						
Vingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Not Accessible	100%						
Piles							
Not Accessible	100%						
Walls	1000/						
Not Accessible	100%						
Approaches Povement							
Pavement Concrete	80%	4+ \$22,3	00 2034	* *	4	\$47,600	
Concrete		4+			4	Ψ47,000	
		ni . Ligni, Area Ajjecie Random Locations Thr					
		ent : Light, Area Affec	_				
		Random Locations Thr					
			_				

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

^{**} 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 I	Repair	Futur	e Replacement	M	aintenance	
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	Location Spalling, I	issing Elem 1 : 18 Inche Extent : Lig	\$38,300 nents, Extent : Ligh s Long Broken Pie ht, Area Affected : st Approach	ce Of Cu	-	de		
Embankment								
Earth	100%			LIFE	* *			
Railings/Parapets								
Steel	100%			LIFE	* *			
Sidewalks								
Concrete	Location Other Obs Location	xtent : Ligh n : Random servation, E n : Northeas	\$16,400 t, Area Affected : 5 Locations Through Extent : Light, Area st Approach Sidewo Ed Excavated 4Ft x	iout Affected ilk		valk To l	Repair A Gas	
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Median								
Concrete		xtent : Ligh	\$2,700 t, Area Affected : 5 Locations Through		* *	5	\$1,400	
Railings/Parapets								
Steel	100%			LIFE	* *	2-8	\$5,300	
Sidewalks								
Concrete		xtent : Ligh	\$10,500 t, Area Affected : 5 Locations Through		* *	5	\$3,800	
Wearing Surface								
Concrete	Location Spalling, I	n : Random Extent : Lig	\$59,400 lerate, Area Affecte Locations Through ht, Area Affected: Locations Through	out 5%	**	5	\$34,400	
Superstructure								
Deck,Structural	1000							
Not Accessible	100%							
Primary Member Not Accessible	100%							
Secondary Member Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year 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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$95,300	\$3,100	\$122,100	\$20,300
Total	\$95,300	\$3,100	\$122,100	\$20,300
Importance Code A	\$54,200		\$100	\$8,500
Importance Code B			\$98,500	
Importance Code C	\$41,100	\$3,100	\$23,600	\$11,900
Total	\$95,300	\$3,100	\$122,100	\$20,300



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Future	e Replacement	М	aintenance	
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	1.000/			LIPE	* *			
Concrete	100%			LIFE	* *			
Brngs, Ancr Blts, Pads Not Accessible	100%							
Footings	100%							
Not Accessible	100%							
Mat (scour & erosion)	10070							
Generic	100%			LIFE	* *			
Pedestals	10070			- EII E				
Steel	80%			LIFE	* *			
Steel	20%		\$28,700	LIFE	* *			
	Corrosion	, Extent : L	ight, Area Affected	! : 10%				
	Location	ı : Random						
Stem (breastwall)								
Concrete Encased Steel	100%	4+	\$555,800	LIFE	* *			
		nce, Extent 1 : Random	t : Light, Area Affec	cted : 30%	6			
	-	_	ht, Area Affected : At Interface With I					
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	80%		#150 200	LIFE	* *			
Concrete			\$150,200 at, Area Affected : 2	LIFE 20%	* *			
		Extent : Lig 1 : Random	ht, Area Affected :	10%				
Approaches								
Pavement								
Asphalt	60%			2024	\$781,500	4	\$23,800	
Asphalt	40%		\$52,100	2024	\$521,000	4	\$23,800	
		_	t, Area Affected : 2	25%				
			Along Wingwalls	٠. د	0.4			
			Aoderate, Area Affe		%			
	Location	ı : Kandom	Along Wingwall C	urbs				

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Curbs	000/			LIDE	* *			
Concrete w/ Steel Face Concrete w/ Steel Face	80% 20%	4+	\$3,900	LIFE LIFE	* *			
Concrete w/ Steel Pace			ight, Area Affected					
		: Random	.g., 11. ca 12,5 corea	. 20,0				
Guide Railing								
Concrete	80%			2032	* *	4	\$16,100	
Concrete	20%	2-4	\$5,400	2032	* *	4	\$16,100	
	-	_	ht, Area Affected : ith Exposed Rebar					
Pavement Base								
Not Accessible	100%							
Sidewalks	000/			LIDE	ماد ماد			
Concrete	80%	4	¢12.200	LIFE	* *			
Concrete	20%	4+	\$13,200 t, Area Affected : 1	LIFE	* *			
		ieni . Lign : Random	і, Агей Ајјесіей . 1	070				
			Extent : Light, Area	Affected	. 20%			
		: Random	. 21gm, 11rea	rijjecieu	. 2070			
Piers								
Pier,Columns								
Steel	70%			LIFE	* *	2-8	\$1,413,400	
Steel	30%	4+	\$2,709,800	LIFE	* *	2-8	\$1,413,400	
			: Light, Area Affec	ted : 20%	6			
		: Random						
			Light, Area Affecte	d : 20%				
Cr C. 1' 1 D'	Location	: Random						
Stem,Solid Pier Concrete	70%			LIFE	* *			
Concrete	30%	4+	\$401,700	LIFE	* *			
Concrete			ht, Area Affected :					
		: Random	, 11/00/12/50000	10,0				
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
Deck Elements								
Curbs	0.007			LIEE	ታ ታ			
Concrete w/ Steel Face	90%	No	¢1 200	LIFE	* *			
Concrete w/ Steel Face	10% Broken/Mi	Now	\$1,300 nents, Extent : Mod	LIFE				
			ienis, Exieni : Moa d East Sidewalk	етше, АГ	ги лујестей . 10%			
Gratings	2000000	. ,,	wor order ware					
Steel	100%			LIFE	* *			
	_00,0							

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements								
Median	0.0-4					_	44 = 00	
Concrete	80%	à	#14000	LIFE	* *	5	\$1,700	
Concrete	20%	4+	\$14,800	LIFE	* *	5	\$1,700	
		xtent : Ligh : Random	t, Area Affected : 2	0%				
Railings/Parapets								
Concrete	100%			2032	* *	4	\$800	
Steel	100%			LIFE	* *	2-8	\$1,900	
Sidewalks								
Concrete	70%			2028	* *	5	\$6,200	
Concrete	30%	Now	\$58,600	2028	* *	5	\$3,100	
			ent, Extent : Severe	, Area Aj	fected : 60%			
		: West Sid						
			ere, Area Affected	: 60%				
	Location	: West Sid	ewalk					
Wearing Surface								
Asphalt	70%			2024	\$325,400	5	\$47,100	
Asphalt	30%	4+	\$27,900	2024	\$139,400	5	\$23,600	
		Cracks, Extent : Light, Area Affected : 20% Location : Random						
			f 1	. 1 1/	20/			
			Aoderate, Area Affe	ected : 10)%			
			Near Curbs	. 1 200	,			
	-		derate, Area Affect	rea : 20%	9			
	Locanon	: Random						
perstructure								
Deck,Structural Concrete	80%			LIFE	* *	5	\$41,900	
Concrete	20%	4+	\$281,800	LIFE	* *	5 5	\$41,900	
Concrete			t, Area Affected : 2			3	\$41,500	
		: Random	і, Агей Аујесіей . 2	.070				
			nt : Light, Area Affe	octod · 10	0%			
		: Random	и . Еідпі, Агей Аује	cieu. 10	770			
			: Light, Area Affec	rted · 400	%			
		: Random	. 218111, 111 ca 1197 cc					
			ht, Area Affected :	20%				
	-	: Random		2070				
Primary Member								
Concrete Encased Steel	80%			LIFE	* *	5	\$192,000	
Concrete Encased Steel	20%	4+	\$352,800	LIFE	* *	5	\$192,000	
		nce, Extent	: Light, Area Affec		%			
		: Random						

Maintenance \$ are aggregated over a ten-year 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

Area Sq Ft : 24,075 Project Type : HIGHWAY BRIDGES

Date of Survey : 13-Jul-2011 Landmark Status : NONE

Areas Surveyed :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$20,100		\$53,100	\$53,700
Total	\$20,100		\$53,100	\$53,700
Importance Code A			\$26,300	\$8,400
Importance Code B			\$25,500	
Importance Code C	\$20,100		\$1,300	\$45,400
Total	\$20,100		\$53,100	\$53,700



Maintenance \$ are aggregated over a ten-year period. Site 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		Futur	e Replacement	М		
System Component Type	% of 1 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	1000/							
Not Accessible	100%							
Joint with Deck	400				ate ate			
Generic	100%			LIFE	* *			
Mat (scour & erosion)	1000/			TIPE	do do			
Generic	100%			LIFE	* *			
Pedestals	1000/			TIPE	* *			
Concrete	100%			LIFE	* *			
Stem (breastwall)	1.007	4	Ф270 000	LIEE	* *			
Concrete	10%	4+	\$379,800	LIFE	* *			
	Location		re, Area Affected :	30%				
			. Madaunta Ausa	A CC4 - 1	. 200/			
	Efflorescen Location		: Moderate, Area	Affectea	: 20%			
_		. Kanaom						
Concrete	90%			LIFE	* *			
Wingwalls								
Footings	1.000/							
Not Accessible	100%							
Mat (scour & erosion)	1000/			LIDE	* *			
Generic	100%			LIFE				
Piles	1000/							
Not Accessible	100%							
Walls	1000/			LIFE	* *			
Concrete	100%	amation E	Extent : Light, Area					
			st Wingwall	Ајјестеи	. 2/0			
	Explanati							
Approaches	Елрианан	on. water	Siuns					
Pavement								
Asphalt	100%			2027	* *	4	\$2,600	
Concrete	90%			2036	* *	4	\$90,700	
Concrete	10%	4+	\$20,100	2036	* *	4	\$90,700	
Concrete			erate, Area Affecte			•	Ψ20,700	
	Location		, , , , , ,					
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Pavement Base	-00/0							
Not Accessible	100%							
Sidewalks	-00/0							
Concrete	100%			LIFE	* *			
Dack Flaments	100/0							

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 GRAND CONCOURSE OVER E.161 ST. GRAND CONCOURSE/E.161 ST.

Current Rep	air Futur	Future Replacement		Maintenance			
% of Fail Date Est	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
100%	LIFE	* *					
100%	LIFE	* *					
100%	LIFE	* *	5				
100%	LIFE	* *					
Other Observation, Extent : Light, Area Affected : 100%							
Location : Lou Gehrig	Plaza						
Explanation: Pavers A	and Planter Boxes Throu	ghout Plaza					
100%	2049	* *	5	\$136,300			
100%	2036	* *	4	\$16,700			
100%	LIFE	* *	2-8	\$22,900			
100%	2031	* *	5	\$16,200			
Location : Sidewalks A	t Fasciae						
Explanation . Concrete	e Staewarks Ar Each Fast	.iu					
100%	LIFE	* *	5	\$28 200			
Other Observation, Exte	nt : Light, Area Affected	: 100%	3	Ψ20,200			
Explanation: Precast	Concrete Deck						
-							
100%	LIFE	* *					
1000/	• •		2.2	φ. 4			
100%	LIFE	* *	2-8	\$474,200			
100%	LIFE	* *	2-8	\$397,200			
	100% 100% 100% 100% 100% Other Observation, Exte Location: Lou Gehrig Explanation: Pavers A 100% 100% 100% 100% 100% 100% Other Observation, Exte Location: Sidewalks A Explanation: Concrete 100% Other Observation, Exte Location: Throughout Explanation: Precast of 100% 100% 100%	Nof Total (Years) Year FY	Nof Total Fail Date Estimated Cost FY Estimated Cost FY	No of Total Fail Date Estimated Cost Year Estimated Cost Cycle FY	100%		

Maintenance \$ are aggregated over a ten-year 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 :

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$72,500	\$9,700	\$27,100	\$7,000
Total	\$72,500	\$9,700	\$27,100	\$7,000
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
Total	\$72,500	\$9,700	\$27,100	\$7,000



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Abutments Bridge Seat&pedestals Concrete	100%		LIFE	* *					
Backwall	100%		LIFE						
Concrete	80%		LIFE	* *					
Concrete	20% 4+ Cracks, Extent : Ligh Location : Random		LIFE	* *					
	Delaminations, Extent : Light, Area Affected : 3% Location : Northwest Corner								
	Efflorescence, Extent Location : Random		eted : 2%						
	Leakage, Extent : Lig Location : Random	==	2%						
	Spalling, Extent : Light, Area Affected : 5% Location : Northwest Corner								
	Other Observation, E Location : Southeas	st Corner	Affected	: 4%					
Dange Angu Dite Dode	Explanation : Vege	tation Growth							
Brngs,Ancr Blts,Pads Elastomeric	100% 4+ Corrosion, Extent : L Location : Random Rust Stains, Extent : L Location : Random	Light, Area Affecte		**					
Footings Not Accessible	100%								
Joint with Deck Generic	100%		LIFE	* *					
Mat (scour & erosion) Generic	100% Other Observation, E Location : Through Explanation : Gran	out		**: 100%					
Pedestals	Explanation . Gran	me Rock I avea Ove	e <i>1</i>						
Concrete	100%		LIFE	* *					
Stem (breastwall)									
Concrete	100%		LIFE	* *					
Wingwalls Footings Not Accessible	100%								
Mat (scour & erosion) Earth	100%		LIFE	* *					
Piles Not Accessible	100%								

Maintenance \$ are aggregated over a ten-year period. Site 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 R	Current Repair Futu		Replacement	M	aintenance		
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit	
ingwalls								
Walls	400-							
Concrete	100% Vegetation Growth, Ex Location : Througho		LIFE a Affected	* * l : 75%				
pproaches								
Pavement								
Asphalt	100% 4+ Cracks, Extent : Light, Location : Random	\$3,300 Area Affected : 49	2024 %	\$164,400	4	\$3,800		
Concrete	100%		2032	* *	4	\$8,200		
	Cracks, Extent: Light, Location: Random Spalling, Extent: Ligh Location: Random							
Curbs								
Concrete w/ Steel Face	100% 4+ Misaligned/Bulging, E Location : Random	\$1,100 Extent : Light, Area	LIFE Affected	**: 1%				
	Rust Stains, Extent : M Location : Througho	ut						
	Vegetation Growth, Ex Location: Random	tent : Light, Area	Affected .	: 1%				
Embankment								
Earth	100%		LIFE	* *				
Guide Railing								
Steel	100% 4+ Damaged Railing, Extending Contact Con	\$2,100 ent : Light, Area Ą	LIFE ffected : .	* *	2-8	\$5,800		
Mat (scour & erosion)								
Earth	100%		LIFE	* *				
Pavement Base Not Accessible	100%							
Sidewalks Concrete	100% 4+ Cracks, Extent : Light, Location : Random Vegetation Growth, Ex Location : Random			**				
ers								
Pier,Columns								
Steel	100% Other Observation, Ex Location: Bottom Oj Explanation: The Co	f Steel Column			2-8	\$140,500		
	Б лрининон . The C	mannon Oj Dase P	une is Ke	COINCH WITH THE	Countil			
Stem,Solid Pier	•							

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

^{**} 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		Futur	Future Replacement		Maintenance		
system Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
iers Brngs,Ancr Blts,Pads Elastomeric	100% 4+ Rust Stains, Extent : Location : Randon	-	2043 d : 2%	* *				
Footings	1000/							
Not Accessible	100%							
Mat (scour & erosion) Generic	1000/		LIEE	* *				
Pedestals	100%		LIFE					
Concrete	100%		LIFE	* *				
Piles	10070		LIFE					
Not Accessible	100%							
eck Elements	10070							
Curbs								
Concrete w/ Steel Face	100% 4+ Rust Stains, Extent : Location : Through		LIFE ected : 2	* *				
Mono Deck Surface								
Concrete	100% Cracks, Extent: Lig Location: Randon Spalling, Extent: Li Location: Randon	n ght, Area Affected :		**	5	\$19,400		
Railings/Parapets								
Concrete	100% Cracks, Extent: Lig Location: Randon Other Observation, Location: Randon Explanation: Veg.	n Extent : Light, Area n		* *	4	\$5,800		
Steel	100%		LIFE	* *	2-8	\$8,000		
Sidewalks						+ = , = = =		
Concrete	100% 4+ Cracks, Extent : Lig Location : Randon		2028	* *	5	\$3,800		
uperstructure								
Deck,Structural Concrete	100% Other Observation, Location: Bottom Explanation: Stay	_			5	\$8,000		
Joints	Zip interior i stuy		· Conun	***				
Steel	100%		LIFE	* *				

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

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

DEPARTMENT OF TRANSPORTATION - 841 GUY R. BREWER BLVD BRIDGE

Bridge Structure		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Steel	15%	4+	\$452,400	LIFE	* *	2-8	\$135,000	
	Rust Stain	s, Extent : I	Light, Area Affecte	d: 2%				
	Location	: Random						
Steel	85%			LIFE	* *	2-8	\$135,000	
Secondary Member								
Steel	100%	4+	\$19,800	LIFE	* *	2-8	\$113,000	
	Rust Stain	Rust Stains, Extent: Light, Area Affected: 2%						
	Location	: Random	-					

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$86,500	\$4,400	\$133,100	\$2,400
Total	\$86,500	\$4,400	\$133,100	\$2,400
Importance Code A	\$60,600		\$80,700	
Importance Code B	\$10,600		\$52,400	
Importance Code C	\$15,300	\$4,400		\$2,400
Total	\$86,500	\$4,400	\$133,100	\$2,400



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

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

Asset #: 2473

Bridge Structure	Curre	ent Repair	Future Re	eplacement	М	aintenance	
System Component Type	% of Fail D Total (Yea	ate Estimated Cost rs)	Year Est FY	timated 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 Generic	25% 75% 0-2	' '	LIFE LIFE	* *			
	_	: Moderate, Area Affec		1			
		sphalt Paved Over Joi on, Extent : Severe, Ard					
	Location : Both		ea Ajjeciea : 3	00%			
		Tracks At Asphalt Pave	ed Over The Jo	oint			
Mat (scour & erosion)	1	1					
Earth	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Stem (breastwall)	1000/						
Not Accessible	100%						
Wingwalls Footings							
Not Accessible	100%						
Mat (scour & erosion)	10070						
Earth	100%		LIFE	* *			
Piles							
Not Accessible	100%						
Walls							
Brick Veneer		v \$9,800 on, Extent : Severe, Arc ch Abutment West Side			Vest Side		
	Explanation : E	Broken/ Missing Eleme	ents				
Concrete	Location: Thro	ling, Extent : Moderat oughout		* * ed : 30%			
	Spalling, Extent : Location : Thro	Moderate, Area Affec Sughout	cted : 20%				
Approaches							
Pavement	000/		2026	\$406.500	1	¢12 200	
Asphalt Asphalt	90% 10% 2-4	\$5,500	2026 2026	\$496,500 \$55,200	4 4	\$13,300 \$8,900	
Asphan	Cracks, Extent:	Light, Area Affected : dom Locations Throug	10%	\$33,200	4	\$6,900	
	Settlement, Exten	t : Light, Area Affecte dom Locations Throug	d: 10%				

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

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

Asset #: 2473

Bridge Structure		Current Repair		Future Replacement			Maintenance		
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Co	_	cle (rs)	Estimated Cost	Priority
Approaches									
Curbs	200/	0.2	Φ2.100	LIDE	10	*			
Concrete w/ Steel Face	20%	0-2	\$3,100	LIFE		*			
		-	ents, Extent : Seve Locations Through		Ајјестеа : 10%				
			oderate, Area Affe		0/2				
	Location :			. с.са. 50	, 0				
		_	 lerate, Area Affeci	ted : 40%					
	-		Spalled And Brok			thwest	Curl	os.	
Concrete w/ Steel Face	80%			LIFE		*			
Median	0070			EH E					
Concrete	100%			LIFE	*	*			
Steel	100%			LIFE	*	*			
Railings/Parapets									
Steel	20%	4+	\$9,000	LIFE	*	*			
		_	ents, Extent : Ligh						
		_	ed Steel Panel Is I	_	n East Side				
			ght, Area Affected	! : 20%					
	Location:	Througho	put						
Steel	80%			LIFE	*	*			
Piers									
Cap Beam								4402 200	
Steel	20%	4+ Extend - M	\$52,000	LIFE		* 2	-8	\$192,200	
			oderate, Area Affe Bottom Flange An		%				
G. I		muspan .	Bottom Flange An		*	* 2	0	Ф102 200	
Steel	80%			LIFE	*	* 2	-8	\$192,200	
Pier,Columns Steel	100%			LIFE	*	* 2	-8	\$47,900	
Stem, Solid Pier	10070			LIFE	•		-0	\$47,500	
Concrete	100%			LIFE	*	*			
Concrete		ent : Light	, Area Affected : 5						
			Locations Through						
	Other Obser	vation, Ex	ctent : Light, Area	Affected	: 25%				
	Location:	Piers 2 A	nd 9 Observed An	d Piers 1	And 10 Not Ac	cessible	?		
	Explanatio	n : Brick	Veneer Facing						
Brngs, Ancr Blts, Pads									
Steel	10%	4+	\$13,900	LIFE		* 2	-8	\$23,800	
			oderate, Area Affe	ected : 30	%				
		At Pier 2	And Pier 9						
Steel	90%			LIFE	*	* 2	-8	\$23,800	
Footings	1000/								
Not Accessible	100%								
Mat (scour & erosion)	1000/			TIPP	J.	*			
Earth	100%	mation F.	ctant . Liaht A	LIFE					
	Location :		ctent : Light, Area	Ајјестеа	. 10070				
	Explanation :		And Payed						
	Бършино	Darill	ina i arca						

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

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

Asset #: 2473

ridge Structure		Current Repair		Futur	e Replacement	Maintenance			
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
ers	•					•		•	
Pedestals									
Steel	10%	4+	\$10,600	LIFE	* *				
			Aoderate, Area Affe		0%				
	Location	: Through	out Pier 2 And Pie						
Steel	90%			LIFE	* *				
Piles									
Not Accessible	100%								
eck Elements									
Curbs	200/	4.	¢24.500	LIDE	* *				
Concrete w/ Steel Face	20%	4+ issina Flon	\$34,500 nents, Extent : Ligh	LIFE					
		_	Locations Through	-	ijeciea . 3070				
			Ioderate, Area Affe		0%				
			Locations Through		, 0				
			nt, Extent : Light, A		rted : 10%				
	_		st Of Bridge Deck, .						
Concrete w/ Steel Face	80%			LIFE	* *				
Median	0070			- LII L					
Concrete	20%	Now	\$353,200	LIFE	* *	5	\$13,400		
		issing Elen	ients, Extent : Seve		Affected : 60%		,,		
		_	rth And South Abu						
	Exposed R	einforceme	ent, Extent : Moder	ate, Area	Affected : 40%				
	Location	: Near No	rth And South Abu	ments					
	Spalling, H	Extent : Mo	derate, Area Affect	ed : 40%	i				
	Location	: Random	Locations Through	out					
Concrete	80%			LIFE	* *	5	\$13,400		
Railings/Parapets									
Steel	100%	4+	\$43,300	LIFE	* *	2-8	\$28,500		
		_	nents, Extent : Ligh	-	-				
			ted Steel Panel Is N		t East Side				
			ight, Area Affected						
			Locations Through		5 007				
			Extent : Light, Area	Affected	: 50%				
		: East Sid							
C: 111 .	Explana	tion : Corr	ugated Steel Panel						
Sidewalks	200/	0-2	\$42,600	2020	* *	5	¢2 400		
Concrete	30% Spalling I		\$43,600 vere, Area Affected	2030		5	\$2,400		
			To 4 And 9 To 11	. 20/0					
Congrate		. Spans 1	20 111100 / 10 11	2020	* *		¢4 000		
Concrete	70%	ervation I	Extent : Light, Area	2030		5	\$4,800		
			xieni . Ligni, Area he East Side Of The		. 100/0				

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

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

Asset #: 2473

Bridge Structure	Current Repair			e Replacement	Maintenance		
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements							
Wearing Surface					_		
Asphalt	75% 2-4	\$249,900	2026	\$499,800	5	\$29,700	
	Cracks, Extent : Mo Location : At Pier:		a: 50%				
	Other Observation,		Area Affa	octed · 20%			
	Location : Through		1164 11996	cieu . 2070			
	Explanation : Pate						
Asphalt	25%		2026	\$166,600	5	\$59,400	
uperstructure				+,		+->,	
Deck,Structural							
Concrete	40% Now	\$1,508,100	LIFE	* *	5	\$56,300	
	Cracks, Extent: Sev		50%				
	Location : Through						
	Exposed Reinforcen		ate, Arec	ı Affected : 15%			
	Location : Through		. 1 200	,			
	Spalling, Extent : M Location : Throug		rea : 20%	0			
		n Locations Through	iout				
G.		d Planks Or Steel W				Φ#< 200	
Concrete	60%		LIFE	* *	5	\$56,300	
Joints Generic	100% 0-2	\$46,500	LIFE	* *			
Generic	Leakage, Extent : Se						
		1, Pier 4 And Pier 8					
	Spalling, Extent : Se						
	Location : All Join						
Primary Member							
Steel	10% 2-4	\$1,617,800	LIFE	* *	2-8	\$567,000	
	Corrosion, Extent:	Severe, Area Affecte	ed: 20%				
	Location: Random Locations Throughout						
	Recent Repair Evide		rea Affe	cted : 20%			
	Location : Through	hout					
Steel	90%		LIFE	* *	2-8	\$567,000	
Secondary Member					_		
Steel	100% 4+	\$186,100	LIFE	* *	2-8	\$791,700	
	Corrosion, Extent:			W . W D: 70	III . G!	,	
	Location: Randon	ı Locations Through	hout And	Next To Pier 7 On	West Sid	de	

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$52,567,800	\$5,940,900
Total	\$52,567,800	\$5,940,900
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
Total	\$52,567,800	\$5,940,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$61,100		\$44,800	\$29,500
Total	\$61,100		\$44,800	\$29,500
Importance Code A	\$35,100		\$44,800	\$26,100
Importance Code B	\$26,000			
Importance Code C				\$3,400
Total	\$61,100		\$44,800	\$29,500



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2509

Bridge Structure	Current	t Repair	Futur	e Replacement	M	aintenance			
System Component Type	% of Fail Dat Total (Years)	e 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	* *					
	Corrosion, Extent:		ed : 60%						
	Location : Beginn	ing Abutment							
	Leakage, Extent : S		!: 60%						
	Location : Throug								
	Other Observation,	_	Affected	: 100%					
	Location : Throug								
		nt Is Paved Over Fo	r Entire L	ength. Observation	ns As Pe	r Nysdot			
Mat (scour & erosion)	Inspection Report								
Earth	100%		LIFE	* *					
Earth	Other Observation,	Extent : Light, Area		: 100%					
	Location : Throug	_	11990000	. 100,0					
		Per Nysdot Inspectio	n Report						
Stem (breastwall)	1	, ,	1						
Concrete	50%		LIFE	* *					
Concrete	50% 2-4	\$213,000	LIFE	* *					
	Cracks, Extent: Sev	vere, Area Affected :	55%						
	Location: Randon	m Per Biennial Inspe	ection Rep	port					
	Efflorescence, Extent : Severe, Area Affected : 40%								
	Location: Light S	Scaling, Water Stains	s On Stem	Wall Surface Per	Biennia	l Inspection			
	Exposed Reinforcer	nent, Extent : Severe	e, Area A <u>f</u>	fected : 50%					
		m Per Biennial Insp							
	Spalling, Extent : Se								
	Location : Randor	m Per Biennial Insp	ection						
Wingwalls									
Footings	1000/								
Not Accessible	100%								
Mat (scour & erosion)	1000/		LIDE	* *					
Earth	100%		LIFE	* *					
Piles	1000/								
Not Accessible Walls	100%								
Walls Concrete	100% 4+	\$181,600	LIFE	* *					
Concrete									
	Cracking/Crumbling, Extent : Light, Area Affected : 10% Location : Spans 9 And 10 Left Curtain Wall Per Biennial Inspection								
	Location : Spans 9 Ana 10 Left Curtain waii Per Biennial Inspection Spalling, Extent : Light, Area Affected : 10%								
		igni, Агей Ајјесіей . 8, 9, 12 Thru 14 Сиг		Per Biennial Insn	ection				
Approaches		, ,							

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

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

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

Asset #: 2509

Bridge Structure	Current Repair		Future Replacement		Maintenance			
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Pavement								
Asphalt	80%			2024	\$322,600	4	\$6,800	
Asphalt	20%	4+	\$40,300	2024	\$80,700	4	\$6,800	
			ent, Extent : Light,	Area Affe	ected : 40%			
		_	ning Approach	. 1 20	20/			
			Aoderate, Area Affe	ectea : 20	<i>)</i> %0			
Curbs	Location	i : Ai begin	ning Approach					
Curos Concrete	15%	4+	\$700	LIFE	* *			
Concrete			\$700 at, Area Affected : 1					
		ı : Span 50		070				
Concrete	85%	span 50		LIDD	* *			
Concrete w/ Steel Face	85% 75%			LIFE LIFE	**			
Concrete w/ Steel Face Concrete w/ Steel Face	75% 25%	4+	\$400	LIFE	* *			
Concrete w/ Steel Pace			ight, Area Affected					
		ı, Extent . E ı : Random		. 1070				
Guide Railing	<u> </u>							
Concrete	40%			2032	* *	4	\$5,200	
Concrete	60%	0-2	\$34,000	2032	* *	4	\$5,200	
Concrete			nents, Extent : Seve		Affected : 60%	•	Ψ3,200	
		ı : Heavily		,	33			
Pavement Base								
Not Accessible	100%							
ers								
Cap Beam								
Concrete	80%			LIFE	* *			
Concrete	20%	4+	\$1,067,300	LIFE	* *			
			oderate, Area Affect	ted : 25%	ó			
	Location	ı : Random						
Concrete Encased Steel	85%			LIFE	* *	5	\$38,100	
Concrete Encased Steel	15%	4+	\$317,600	LIFE	* *	5	\$38,100	
			Ioderate, Area Affe	ected : 25	5%			
	Location	ı : Random						
Pier,Columns								
Concrete	50%	a .	47 02 1 0 0 2	LIFE	* *			
Concrete	35%	2-4	\$7,936,800	LIFE	* *			
			ere, Area Affected :	50%				
		ı : Through		. 200/				
		Extent : Sev 1 : Through	vere, Area Affected out	: 30%				
Concrete	15%	Now	\$5,669,100	LIFE	* *			
	Delamina	tions, Exter	ıt : Severe, Area A <u>f</u>	fected : 4	40%			
	Location	ı : Spans 1	To 11					
			ere, Area Affected	: 40%				
	Location	ı : Spans 1	To 11					

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

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

Asset #: 2509

Bridge Structure	Current Repair		Futur	e Replacement	Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
iers								
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings	10070							
Not Accessible	100%							
Mat (scour & erosion)								
Earth	80%			LIFE	* *			
Earth	20%	2-4	\$53,900	LIFE	* *			
			derate, Area Affect			,		
De de stele	Location	: Exposea	Footing Area And	water Pe	onaing Along Wall			
Pedestals Concrete	80%			LIFE	* *			
Concrete	20%	4+	\$26,000	LIFE	* *			
Concrete			derate, Area Affec		Ó			
)-11, 14-15, 18-19,			eport		
eck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$162,400	LIFE	* *			
		_	t, Area Affected : 5	0%				
			On West Side	50/				
	-	_	ht, Area Affected : On West Side	3%				
			Extent : Light, Area	Affected	. 5%			
	_		On West Side	rijjecica	. 370			
Median								
Concrete	80%			LIFE	* *	5	\$22,600	
Concrete	20%	4+	\$184,100	LIFE	* *	5	\$22,600	
		_	t, Area Affected : I	10%				
	Location							
	-	_	ht, Area Affected :	10%				
		: Random						
Steel	100%			LIFE	* *	4-8	\$119,000	
Railings/Parapets	900/			2022	* *	4	¢47 100	
Concrete Concrete	80% 20%	0-2	\$266,200	2032 2032	* *	4	\$47,100 \$47,100	
Coliciete			\$200,200 ent, Extent : Severe			4	\$47,100	
	Location		, 2	, 11.00.11	,000000.007.0			
	Spalling, E.	xtent : Sev	ere, Area Affected	: 30%				
	Location							
Sidewalks								
Concrete	70%			2028	* *	5	\$80,400	
Concrete	30%	2-4	\$418,100	2028	* *	5	\$40,200	
			re, Area Affected :	30%				
	Location			A CC	200/			
			it : Moderate, Area	ı Affected	1: 20%			
	Location Spalling F		dorato Avos Affica	tad . 200/	<u> </u>			
			derate, Area Affec	еи . 20%	,			
Note: All component repairs \$ estin		: Random		1.6	10			

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

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

Asset #: 2509

Bridge Structure	Current Repair	Futur	e Replacement	М	aintenance				
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit			
eck Elements									
Wearing Surface									
Asphalt	70%	2024	\$1,022,600	5	\$135,600				
Asphalt	30% 4+ \$87,700	2024	\$438,300	5	\$67,800				
	Cracks, Extent: Light, Area Affected:	10%							
	Location: Random	. 1 200	/						
	Spalling, Extent : Moderate, Area Affec Location : Random	nea : 20%	0						
	Other Observation, Extent: Moderate,	Araa Affa	natad · 20%						
	Location : Random	Агеи Ајје	ctea . 2070						
	Explanation: Rutting								
perstructure	Explanation . Rutting								
Deck,Structural									
Concrete	25%	LIFE	* *	5	\$124,200				
Concrete	75% 2-4 \$13,334,300	LIFE	* *	5	\$124,200				
	Broken, Missing Pave, Extent: Light, A	rea Affect	ted : 10%						
	Location: Span 17, Mid-span, Right Of S1 And Directly Under Roadway Span 19 Thru 2,								
	22 Thru 24		cc 1 100 /						
	Exposed Reinforcement, Extent: Sever	-	ffected : 40%						
	Location: Span 19 Thru 2, 22 Thru 2		00/						
	Loss of Section, Extent: Light, Area Af			711.					
	Location: Span 17, Netting Is Overlo		? To Fallen Conc. (nunk					
	Spalling, Extent : Severe, Area Affected Location : Span 19 Thru 2, 22 Thru 2								
Joints	Locuiton : Span 19 Thru 2, 22 Thru 2	7							
Generic	25%	LIFE	* *						
Generic	75% Now \$516,100	LIFE	* *						
Generie	Leakage, Extent : Severe, Area Affected								
	Location : Most Of The Joints								
	Other Observation, Extent : Severe, Ar	ea Affecte	ed : 60%						
	Location: Most Of The Joints								
	Explanation : Paved Over								
Primary Member									
Concrete	60%	LIFE	* *	5	\$464,500				
Concrete	40% 2-4 \$10,051,400	LIFE	* *	5	\$464,500				
	Exposed Reinforcement, Extent: Sever		ffected : 30%						
	Location : Various, Throughout Arches								
	Spalling, Extent : Severe, Area Affected								
	Location : Various, Throughout Arch								
	Other Observation, Extent : Light, Area	a Affected	! : 5%						
	Location: Random								
~ -	Explanation: Vegetation Growth				*				
Steel	75%	LIFE	* *	2-8	\$417,300				
Steel	25% 4+ \$5,711,100	LIFE	* *	2-8	\$417,300				
	Corrosion, Extent : Moderate, Area Af			D.	i i i i i				
	Location: Section Loss At Various L		=	er Bienni	aı Insp Keport				
	Loss of Section, Extent : Moderate, Are Location : Stringer S3 In Span 19, Str			D a a 7	Cm are 1.4 C : 10				
	Location · Stringer N. In Span 19 Sti	ınger SI	ın span 1/, Floor I	seam In ,	Span 14 Span 19				

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

Estimates are rounded to the nearest hundred dollars.

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

^{**} 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 F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Secondary Member								
Concrete	75%			LIFE	* *	5	\$1,046,100	
Concrete	25%	4+	\$6,185,600	LIFE	* *	5	\$1,046,100	
	Spalling, E	Extent : Sev	ere, Area Affected	: 50%				
	Location	: At Knee	Braces Based On 1	Nysdot In	spection			

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$65,914,900	\$22,840,800
Total	\$65,914,900	\$22,840,800
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
Total	\$65,914,900	\$22,840,800

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



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2444

Bridge Structure	Current Repa	ir Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments Bridge Seat&pedestals Not Accessible	100% Other Observation, Exten Location : Abutment Explanation : Spans Ov					
Backwall	· · · · · · · · · · · · · · · · · · ·					
Not Accessible	100% Other Observation, Exten Location : Abutment Explanation : Spans Ov					
Brngs,Ancr Blts,Pads	•					
Steel	75% Other Observation, Exten Location: Throughout Explanation: Spans Oven On Nysdot Inspection Re	er Railroad Tracks We		Observai	tion Was Based	
Steel	25% 4+ Corrosion, Extent: Light, Location: Random Other Observation, Exten Location: Throughout Explanation: Spans Ove On Nysdot Inspection R	\$160,000 LIFE Area Affected: 10% t: Light, Area Affected		Observai	tion Was Based	
Footings	On Hysuol Inspection Re	epori				
Not Accessible	100%					
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
Stem (breastwall) Not Accessible	100%					
pproaches						
Pavement Asphalt	75%	2024	\$468,900	4	\$10,100	
Asphalt	25% 2-4 Cracks, Extent : Moderat Location : Random Other Observation, Exten	\$31,300 2024 e, Area Affected : 20%	\$156,300	4	\$10,100	
	Location : Random Explanation : Wearing,					
Concrete	100%	2032	* *	4		
Curbs				-		
Concrete Granite	100% 100%	LIFE LIFE				
Embankment Earth	100% Other Observation, Exten Location : Northwest Co Explanation : Embankm	orner	d : 25%			

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

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

Asset #: 2444

		acement Maintenance			
% of Fail Date Estimated Cost Total (Years)	Year Estima FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
0.007	2022	de de		φ π π οο	
. ,		* *	4	\$5,700	
	10%				
	ected: 10%				
_	ı Affected : 10%				
Explanation : Scaling, Spalls With Ex	posed Rebars				
100%	LIFE	* *	2-8	\$5,800	
100%	LIFE	* *			
100%					
90%	LIFE	* *	2-8	\$6,678,500	
_	ı Affected : 95%				
	racks Were Not A	ccessible;	Observat	ion Was Based	
10% 4+ \$1,806,500	LIFE	* *	2-8	\$6,678,500	
Loss of Section, Extent : Moderate, Are	a Affected : 25%				
Location: Random					
Rust Stains, Extent : Severe, Area Affec	ted : 30%				
Location : Random					
_	a Affected : 95%				
Explanation : Spans Over Railroad Tr	racks Were Not A	ccessible;	Observat	ion Was Based	
On Nysdot Inspection Report					
000/	LIE	.10 .21	2.0	Φ ο πε ο τ ο ο	
		* *	2-8	\$2,/58,500	
	i Affected : 95%				
	1 777 37 4	.,,	0.1		
	racks Were Not A	ccessible;	Observat	tion Was Based	
	LIEE		2.0	Φ2.750.500	
		* *	2-8	\$2,758,500	
9.0					
Loss of Section, Extent : Moderate, Are Location : Spans 8-145	a Affected : 20%				
-	fected : 20%				
	Affacted . 050/				
	ı Аујесіей . 9 5%				
Explanation : Spans Over Railroad Tr	racks Were Not A	ccessible;	Observat	ion Was Based	
	80% 20% 4+ \$4,400 Cracks, Extent: Light, Area Affected: Location: Random Delaminations, Extent: Light, Area Aff Location: Random Other Observation, Extent: Light, Area Location: Random Explanation: Scaling, Spalls With Ex 100% 100% 100% 100% 100% 100% 4+ \$1,806,500 Loss of Section, Extent: Moderate, Are Location: Random Rust Stains, Extent: Severe, Area Affect Location: Random Other Observation, Extent: Light, Area Location: Random Other Observation, Extent: Light, Area Location: Random Other Observation, Extent: Light, Area Location: Spans 8-145 Explanation: Spans Over Railroad Tr On Nysdot Inspection Report 90% Other Observation, Extent: Light, Area Location: Spans 8-145 Explanation: Spans Over Railroad Tr On Nysdot Inspection Report 90% Corrosion, Extent: Light, Area Location: Pack Rust Between Column Loss of Section, Extent: Moderate, Area Location: Spans 8-145 Rust Stains, Extent: Moderate, Area Affected Location: Random Other Observation, Extent: Light, Area Location: Throughout	Row 2032 20% 4+ \$4,400 2032 Cracks, Extent: Light, Area Affected: 10% Location: Random Delaminations, Extent: Light, Area Affected: 10% Location: Random Other Observation, Extent: Light, Area Affected: 10% Location: Random Explanation: Scaling, Spalls With Exposed Rebars 100% LIFE Other Observation, Extent: Light, Area Affected: 95% Location: Spans 8-145 Explanation: Spans Over Railroad Tracks Were Not A On Nysdot Inspection Report 10% 4+ \$1,806,500 LIFE Loss of Section, Extent: Moderate, Area Affected: 25% Location: Random Rust Stains, Extent: Severe, Area Affected: 30% Location: Random Other Observation, Extent: Light, Area Affected: 95% Location: Spans 8-145 Explanation: Spans Over Railroad Tracks Were Not A On Nysdot Inspection Report 90% LIFE Other Observation, Extent: Light, Area Affected: 95% Location: Spans Over Railroad Tracks Were Not A On Nysdot Inspection Report 10% 4+ \$2,007,200 LIFE Corrosion, Extent: Light, Area Affected: 10% Location: Pack Rust Between Column Members Loss of Section, Extent: Moderate, Area Affected: 20% Location: Spans 8-145 Rust Stains, Extent: Moderate, Area Affected: 20% Location: Spans 8-145 Rust Stains, Extent: Moderate, Area Affected: 20% Location: Spans 8-145 Rust Stains, Extent: Moderate, Area Affected: 20% Location: Throughout Explanation: Spans Over Railroad Tracks Were Not A Location: Throughout Explanation: Spans Over Railroad Tracks Were Not A Location: Throughout Explanation: Spans Over Railroad Tracks Were Not A Location: Throughout Explanation: Spans Over Railroad Tracks Were Not A Location: Throughout Explanation: Spans Over Railroad Tracks Were Not A	Rotal (Years) FY	Rotal (Years) FY (Yrs)	80% 2032 ** 4 \$5,700 20% 4+ \$4,400 2032 ** 4 \$5,700 Cracks, Extent: Light, Area Affected: 10% Location: Random Delaminations, Extent: Light, Area Affected: 10% Location: Random Other Observation, Extent: Light, Area Affected: 10% Location: Random Explanation: Scaling, Spalls With Exposed Rebars 100% LIFE ** 2-8 \$5,800 100% LIFE ** 2-8 \$5,800 100% LIFE ** 2-8 \$6,678,500 Other Observation, Extent: Light, Area Affected: 95% Location: Spans 8-145 Explanation: Spans Over Railroad Tracks Were Not Accessible; Observation Was Based On Nysdot Inspection Report 10% 4+ \$1,806,500 LIFE ** 2-8 \$6,678,500 Losa of Section, Extent: Moderate, Area Affected: 25% Location: Random Rust Stains, Extent: Severe, Area Affected: 30% Location: Random Other Observation, Extent: Light, Area Affected: 95% Location: Spans 8-145 Explanation: Spans Se-145 Explanation: Spans 8-145 Explanation: Spans Spans Spans

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

Estimates are rounded to the nearest hundred dollars.

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

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

Asset #: 2444

Bridge Structure	Current Re	pair	Futur	e Replacement	М	aintenance		
ystem	% of Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority	
Component	Total (Years)		FY		(Yrs)			
Type								
ers								
Stem, Solid Pier	C00/		LIDE	* *				
Concrete	60%		LIFE					
	Other Observation, Ex	_	Affectea	: 95%				
	Location : Spans 8-1-		1 117	37 . 4 . 11	01	· 117 D 1		
	Explanation : Spans of On Nysdot Inspection		acks Wei	e Not Accessible;	Observat	ion Was Based		
Concrete	40% 4+	\$10,156,300	LIFE	* *				
	Cracks, Extent: Mode	rate, Area Affecte	d : 15%					
	Location: Random							
	Spalling, Extent: Mod	erate, Area Affect	ted : 15%	ó				
	Location: Random							
	Other Observation, Ex	tent : Severe, Are	a Affecte	d : 95%				
	Location: Spans 8-1-	45						
	Explanation: Spans Over Railroad Tracks Were Not Accessible; Observation Was Based							
	On Nysdot Inspection	Report						
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	* *				
	Cracks, Extent : Light, Location : Random	Area Affected : 1	10%					
	Spalling, Extent : Ligh	t, Area Affected :	10%					
	Location: Random							
	Other Observation, Ex	tent : Light, Area	Affected	: 95%				
	Location: Spans 8-1-	45						
	Explanation : Spans of On Nysdot Inspection		acks Wei	e Not Accessible;	Observat	ion Was Based		
Steel	95%		LIFE	* *				
	Other Observation, Ex	tent : Light, Area		: 95%				
	Location : Spans 8-1	45						
	Explanation : Spans		acks Wei	re Not Accessible				
Steel	5% 4+	\$1,215,900	LIFE	* *				
Steel	Corrosion, Extent : Lig							
	Location : Random	, 12. 00. 11, 100.100	. 20/0					
	Other Observation, Ex	tent : Light Area	Affected	. 95%				
	Location : Spans 8-1-		. 1990000	. , 5 , 0				
	Explanation: Spans		acks Wei	e Not Accessible	Ohservai	ion Was Rased		
	Explanation . spans	zvei Kantoua II	ucho mei	c 1101 licessible,	Juservai	ion mus Duscu		

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

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

Asset #: 2444

Bridge Structure	Current Repair	М						
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Deck Elements								
Gratings								
Steel	60%	LIFE	* *					
	Other Observation, Extent : Light, Area	Affected	: 2%					
	Location: Random	1						
G. 1	Explanation : Area Repaired With Woo		de de					
Steel	40% 0-2 \$2,900	LIFE	* *					
	Corrosion, Extent : Moderate, Area Affe Location : Random	стеа : 20	1%0					
	Other Observation, Extent: Moderate, A	Aroa Affo	cted · 20%					
	Location : Random	11ей Аује	ciea . 2070					
	Explanation: Clogged Condition							
Median								
Concrete	90%	LIFE	* *	5	\$51,300			
Concrete	10% 2-4 \$84,400	LIFE	* *	5	\$51,300			
	Cracks, Extent: Light, Area Affected: 10%							
	Location: Random							
	Exposed Reinforcement, Extent: Moder	ate, Area	Affected : 10%					
	Location:							
	Spalling, Extent : Moderate, Area Affect	ed : 20%	ó					
	Location: Random							
Steel Grating	90%	LIFE	* *	4-8	\$84,000			
Steel Grating	10% 0-2 \$16,600	LIFE	* *	4-8	\$84,000			
	Loose Elements, Extent : Moderate, Are	a Affecte	d : 20%					
	Location : Random							
Railings/Parapets	000/	2022	* *	4	ΦΩ4 4ΩΩ			
Concrete Concrete	80% 20% 2-4 \$331,600	2032 2032	* *	4	\$84,400			
Concrete	20% 2-4 \$331,600 Cracks, Extent : Moderate, Area Affecte			4	\$84,400			
	Location: Random	u . 2070						
	Exposed Reinforcement, Extent : Moder	ate. Area	Affected : 20%					
	Location : Random							
	Spalling, Extent : Moderate, Area Affect	ed : 20%	Ó					
	Location: Random							
Wearing Surface								
Asphalt	90%	2024	\$1,891,900	5	\$187,200			
Asphalt	10% 4+ \$42,000	2024	\$210,200	5	\$93,600			
	Cracks, Extent : Moderate, Area Affecte	d: 20%						
	Location: Random							
	Other Observation, Extent: Moderate, A	Area Affe	cted : 20%					
	Location: Random							
	Explanation: Wearing, Rutting							

Superstructure

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

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

Asset #: 2444

Bridge Structure	Current I	Repair	Futur	e Replacement	М	aintenance				
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
perstructure	•		•				•			
Deck,Structural										
Concrete	85%		LIFE	* *	5	\$255,800				
	Other Observation, E Location: Spans 8-	_	Affected	: 95%						
	Explanation : Span		acks Wei	e Not Accessible						
Concrete	15% 4+	\$78,300	LIFE	* *	5	\$255,800				
Concrete	Cracks, Extent : Mod Location : Random	lerate, Area Affecte			3	Ψ233,000				
	Corrosion, Extent : L	ight, Area Affected	: 2%							
	Location: Minor C	-		outhern Spans						
	Efflorescence, Extent	: Moderate, Area	Affected .	20%						
	Location: Random									
	Spalling, Extent : Mo	derate, Area Affect	ed : 20%	ó						
	Location: Random	Location: Random								
	Other Observation, Extent : Light, Area Affected : 90%									
	Location: Spans 8-145									
	Explanation : Span. On Nysdot Inspection		acks Wer	e Not Accessible;	Observat	ion Was Based				
Joints										
Generic	75%	******	LIFE	* *						
Generic	25% 0-2	\$166,100	LIFE	**						
	Broken/Missing Elen Location: Random	ients, Extent : Ligh	t, Area Ą	ffected : 10%						
	Other Observation, E	Extent : Moderate, A	Area Affe	cted : 10%						
	Location: Random									
	Explanation: Joint	s Are Paved Over V	With Asph	ıalt						
Primary Member										
Concrete Encased Steel	85%		LIFE	* *	5	\$1,171,000				
	Other Observation, E	_	Affected	: 95%						
	Location : Spans 8-									
	Explanation : Span			e Not Accessible						
Concrete Encased Steel	15% 4+		LIFE	* *	5	\$1,171,000				
	Cracks, Extent: Seve		30%							
	Location: Random									
	Spalling, Extent: Mo		ed : 20%	Ó						
	Location : Random									
Steel	90%		LIFE	* *	2-8	\$4,296,200				
	Other Observation, E		Affected	: 95%						
	Location: Spans 8-									
	Explanation : Span									
Steel	10% 4+	\$44,649,400	LIFE	* *	2-8	\$4,296,200				
	Loss of Section, Exter		ı Affected	l : 20%						
	Location : Random									
	Rust Stains, Extent:		fected : 2	0%						
	Location: Through									

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

^{**} 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 Ro	epair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure							
Secondary Member							
Steel	90%		LIFE	* *	2-8	\$3,598,900	
	Other Observation, Ex	tent : Light, Area	Affected	: 95%			
	Location: Spans 8-1	45					
	Explanation: Spans	Over Railroad Tr	acks Wer	e Not Accessible			
Steel	10% 4+	\$1,691,900	LIFE	* *	2-8	\$3,598,900	
	Corrosion, Extent : Mo	oderate, Area Affe	cted : 20	%			
	Location: Random	35					
	Loss of Section, Extent	: Moderate, Area	Affected	l : 20%			
	Location: Random						
	Rust Stains, Extent : Se	evere, Area Affect	ed : 30%				
	Location: Random						

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

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

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$36,800		\$505,400	
Total	\$36,800		\$505,400	
Importance Code A	\$1,400		\$336,400	
Importance Code B			\$169,000	
Importance Code C	\$35,400			
Total	\$36,800		\$505,400	



Maintenance \$ are aggregated over a ten-year period. Site 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 Replacem	ent	Maintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estimated FY	Cost Cyc	cle Estimated Cost rs)	Priority
butments					
Bridge Seat&pedestals					
Concrete	100%	LIFE	* *		
Backwall					
Concrete	100% 4+ \$17,800 Cracks, Extent: Light, Area Affected Location: South Abutment Leakage, Extent: Light, Area Affected	: 2%	* *		
	Location : Throughout, Due To Lea				
Brngs,Ancr Blts,Pads					
Steel	100% Other Observation, Extent: Light, Ar. Location: Begin And End Abutment Explanation: Begin And End Abutm		* *		
Footings					
Not Accessible	100%				
Joint with Deck					
Generic	100% 0-2 \$79,000 Loose Joint Plates, Extent : Moderate Location : South End Other Observation, Extent : Moderate	, Area Affected : 90%	* *		
	Location: South End And North Abi	utment			
	Explanation : Uneven Surface Of Ex North Abutment Not Accessible	pansion Joint Cover Ob	served At S	South End. Also,	
Mat (scour & erosion)					
Earth	100%	LIFE	* *		
Pedestals					
Concrete	100%	LIFE	* *		
Stem (breastwall) Concrete	100% 4+ \$84,800 Cracks, Extent : Light, Area Affected Location : Both Abutments		* *		
	Efflorescence, Extent : Moderate, Are Location : Throughout	a Affected : 20%			
	Other Observation, Extent : Moderate Location : Throughout Explanation : Water Seepage	e, Area Affected : 20%			
/ingwalls	beepage				
Footings	100%				
Not Accessible					
Not Accessible Mat (scour & erosion) Earth	100%	LIFE	* *		

Maintenance \$ are aggregated over a ten-year period. Site 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 Rep	re Replacement		Maintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	Cost Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vingwalls						
Walls	1000/ 4 \$51.2	:00 LIEE	* *			
Concrete	100% 4+ \$51,6		* *			
	Cracks, Extent : Light, Area Affecte Location : Wingwalls At Both Abi					
	Exposed Reinforcement, Extent: Li		2%			
	Location: North Wingwall West I		2/0			
	Spalling, Extent : Light, Area Affec					
	Location : South Wingwall West I					
	Other Observation, Extent : Moder		20%			
	Location: Throughout All Wingw					
	Explanation: Missing Mortar Be	tween And Underne	ath Granite	Coping S	tones	
Approaches						
Pavement						
Asphalt	100% 4+ \$10,7		\$534,600	4	\$9,800	
	Cracks, Extent : Light, Area Affecte	ed : 2%				
	Location: Both Approaches					
Concrete	100% 4+ \$7,0		* *	4	\$15,700	
	Settlement, Extent : Light, Area Aff	ected : 5%				
	Location: Random Locations					
	Spalling, Extent : Light, Area Affec	ted : 2%				
	Location : South End Approach					
Embankment	1000/	LIEE	* *			
Generic	100%	LIFE	* *			
Guide Railing	100%	2022	* *	4	\$4.200	
Concrete	100% Other Observation, Extent : Light, A	2033 Area Affected : 100		4	\$4,300	
	Location: End Approach	incuriffecteu. 100	, 0			
	Explanation : Concrete Barrier					
Steel	100%	LIFE	* *	2-8	\$4,400	
Steel	Other Observation, Extent : Light, 1		%	2 0	ψ+,+00	
	Location : Begin Approach Left S					
	Explanation : Steel Guide Rail Ar					
Mat (scour & erosion)	1					
Earth	100%	LIFE	* *			
iers						
Cap Beam						
Steel	100% 4+ \$317,5		* *	2-8	\$1,336,400	
	Corrosion, Extent : Light, Area Affa					
B: G:	Location : Ends Of Cap Beam Ca	intilevers				
Pier,Columns	1000/	LIPP	ala -l-	2.0	Φ0.41. 7 00	
Steel	100%	LIFE	* *	2-8	\$861,700	
Brngs, Ancr Blts, Pads	1000/	LIPP	* *	20	¢0.700	
Steel	100%	LIFE	4. 4.	2-8	\$8,700	
Footings Not Accessible	100%					
Mat (scour & erosion)	10070					
Earth	100%	LIFE	* *			
- Lai tii	stimates are in current dollars and are not ex					

Maintenance \$ are aggregated over a ten-year period. Site 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	Future Replacement Mainte		aintenance	enance	
System Component Type	% of Fail Date Estimat Total (Years)	ted Cost Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Deck Elements							
Median Concrete	100%	LIFE	* *	5	\$32,000		
Railings/Parapets	10070	Lift			\$32,000		
Concrete	Corrosion, Extent : Light, Area Location : Random Location Loss of Section, Extent : Light,	s Area Affected : 2%		4	\$54,800		
	Location : East And West Fa	scia At Bottom Ligh	tpole Blisters And	d Joints			
Wearing Surface Concrete	100% 4+ \$1 Cracks, Extent : Light, Area A Location : Throughout	71,000 2033 ffected : 2%	* *	5	\$326,700		
Scupper							
Cast Iron	100% Broken/Missing Elements, Ext Location : South Abutment W		* * ected : 2%				
Superstructure							
Deck,Structural Concrete	100% 4+ \$4,5 Cracks, Extent: Light, Area Ag Location: Throughout Efflorescence, Extent: Modera	-	**	5	\$154,100		
	Location : Throughout Spalling, Extent : Moderate, A		2070				
	Location: Throughout Other Observation, Extent: Li Location: Throughout Explanation: Exposed Reba						
Joints							
Generic	Broken/Missing Elements, Extendin : Random Location	s	* * n Affected : 20%				
	Leakage, Extent : Moderate, A Location : Random Location						
Primary Member Steel	5% 4+ \$3,2	42,600 LIFE	* *	2-8	\$2,588,100		
	Corrosion, Extent : Light, Area Location : Deteriorated Area Other Observation, Extent : Li	n More Severe Adjac ght, Area Affected :	1%	nts			
	Location: Throughout At Iso	olated Column Locat	tions				
Steel	Explanation : Bird Nesting 95%	LIFE	* *	2-8	\$2,588,100		
Sicci .	<i>)</i> 5/0	LILE		2-0	Ψ2,500,100		

Maintenance \$ are aggregated over a ten-year period. Site 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 Re	pair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date E (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Secondary Member								
Steel	100%	4+	\$447,600	LIFE	* *	2-8	\$2,168,100	
	Corrosion,	Extent : Light	ht, Area Affectea	: 5%				
	Location	: Random La	ocations					
	Loss of Sec	tion, Extent	: Light, Area Aff	ected : 5	%			
	Location	: Loss Of Se	ctions At End Ot	Overhar	19 Brackets			

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
Total	\$137,300	\$432,900
Importance Code A	\$94,500	\$132,600
Importance Code C	\$42,800	\$300,200
Total	\$137,300	\$432,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$84,800		\$1,800	
Total	\$84,800		\$1,800	
Importance Code A	\$49,700		\$400	
Importance Code B	\$8,400			
Importance Code C	\$26,800		\$1,400	
Total	\$84,800		\$1,800	



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

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

Asset #: 2510

Bridge Structure	Current Repair	Fut	ure Replacement	M	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Yea FY	r Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments Bridge Seat&pedestals Not Accessible	100% Other Observation, Extent : L Location : Explanation : No Access To		ed : 0%			
Backwall	•					
Not Accessible	100% Other Observation, Extent: L Location: Explanation: No Access To		ed : 0%			
Brngs,Ancr Blts,Pads	•					
Not Accessible	100% Other Observation, Extent: L Location: Explanation: No Access To		ed : 0%			
Footings	•					
Not Accessible	100% Other Observation, Extent: L Location: Explanation: No Access To		ed : 0%			
Joint with Deck	Explanation: 110 ficeess 10	17 Werks				
Generic	100% 4+ Broken/Missing Elements, Ext Location: Begin Approach	\$8,400 LIF				
Mat (scour & erosion)						
Not Accessible	100% Other Observation, Extent: L Location: Explanation: No Access To		ed : 0%			
Pedestals	.,					
Not Accessible	100% Other Observation, Extent: L Location: Explanation: No Access To		ed : 0%			
Stem (breastwall)	2. Supramente 1. The Tree costs 10	17.000.05				
Not Accessible	100% Other Observation, Extent: L Location: Explanation: No Access To		ed : 0%			
Wingwalls	Zapronomion . 110 ficess 10					
Footings Not Accessible	100%					
Mat (scour & erosion) Not Accessible	100%					
Piles Not Accessible	100%					

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

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

Asset #: 2510

ridge Structure Current Repai		ent Repair	Future Replacement			Maintenance		
System Component Type	% of Fail I Total (Yea	Date Estimated Cos ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Wingwalls Walls								
Not Accessible	100%							
Approaches								
Pavement	1000/ 2	4 \$15,000	2025	\$200,200	4	\$4,800		
Asphalt	Location: Bot	Moderate, Area Affeo h Approaches : Light, Area Affecteo	cted : 30%	\$300,200	4	\$4,800		
Concrete	Location : Ran Spalling, Extent	4 \$42,800 Light, Area Affected Idom Locations Throu : Light, Area Affected Idom Locations Throu	: 30% ighout l : 10%	**	4	\$33,900		
Curbs			0					
Concrete	100%		LIFE	* *				
Embankment								
Generic	100%		LIFE	* *				
Guide Railing								
Concrete	100% 4+ Cracks, Extent : Location : Bot	Light, Area Affected		**	4	\$1,700		
Steel	100% 4+ Broken/Missing Location : Beg	Elements, Extent : Li		* * fected : 5%	2-8	\$5,800		
Mat (scour & erosion) Earth	100%		LIFE	* *				
Piers								
Cap Beam Not Accessible	Location:	on, Extent : Light, Ar No Access To Tracks	ea Affected	: 0%				
Pier, Columns	-							
Not Accessible	100%							
Stem,Solid Pier Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100% Other Observati Location :	on, Extent : Light, Ard	ea Affected	: 0%				
Footings	T							
Not Accessible	Location:	on, Extent : Light, Ar No Access To Tracks	ea Affected	: 0%				

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

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

Asset #: 2510

idge Structure	Current R	epair	Future Replacement Maintena		aintenance	ince	
tem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
S							
Mat (scour & erosion)							
Not Accessible	100%						
	Other Observation, Ex	tent : Light, Area	Affected .	0%			
	Location:						
	Explanation : No Ac	cess To Tracks					
Pedestals							
Not Accessible	100%						
k Elements							
Curbs							
Concrete	5% 4+	\$57,000	2044	* *			
	Cracks, Extent : Light,						
	Location: Random I	_		1.00			
	Exposed Reinforcemen	it, Extent : Moder	ate, Area	Affected : 5%			
	Location : East Side						
Concrete	95%		2044	* *			
Gratings							
Steel	100%		LIFE	* *			
	Other Observation, Ex		Affected .	10%			
	Location: Spans 1 A	nd 3					
	Explanation : Rustea	Areas; The Grati	ings Cove	r The Air Vents. \	ents In S	Span 3 Are Good	
Guide Railing							
Concrete	100% 4+	\$37,400	2037	* *			
	Cracks, Extent : Light,	Area Affected: 5		* *			
	Cracks, Extent : Light, Location : West Side	Area Affected: 5	7%	* *			
	Cracks, Extent : Light, Location : West Side Spalling, Extent : Moa	Area Affected : 5 erate, Area Affect	7%	**			
Concrete	Cracks, Extent : Light, Location : West Side	Area Affected : 5 erate, Area Affect	7%	**			
Concrete Railings/Parapets	Cracks, Extent : Light, Location : West Side Spalling, Extent : Moa Location : West Side	Area Affected : 5 erate, Area Affect	% sed : 10%				
Concrete	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side	Area Affected : 5 lerate, Area Affect \$11,600	% ed : 10% LIFE	* *	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light,	Area Affected : 5 Terate, Area Affect \$11,600 ght, Area Affected	% ed : 10% LIFE : 5%	* *	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I	Area Affected : 5 derate, Area Affect \$11,600 ght, Area Affected ocations Through	% ed: 10% LIFE : 5% nout East	* *	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Lig Location: Random I Damaged Railing, Ext	Area Affected : 5 derate, Area Affect \$11,600 ght, Area Affected Locations Through ent : Light, Area A	ed: 10% LIFE : 5% wout East:	* * Side 5%	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I	Area Affected : 5 derate, Area Affect \$11,600 ght, Area Affected cocations Through ent : Light, Area A cocations Through	ed: 10% LIFE : 5% cout East Affected: cout East	* * Side 5%	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L	Area Affected: 5 lerate, Area Affect \$11,600 left, Area Affected Locations Through ent: Light, Area A Locations Through ight, Area Affected	LIFE: 5% when the state of the	* * Side 5% Side	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I	Area Affected: 5 lerate, Area Affect \$11,600 left, Area Affected Locations Through ent: Light, Area A Locations Through ight, Area Affected	LIFE: 5% when the state of the	* * Side 5% Side	2-8	\$7,600	
Concrete Railings/Parapets	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L	Area Affected: 5 lerate, Area Affect \$11,600 left, Area Affected Locations Through ent: Light, Area A Locations Through ight, Area Affected	LIFE: 5% when the state of the	* * Side 5% Side	2-8	\$7,600	
Railings/Parapets Steel	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Lig Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L Location: Random I	Area Affected: 5 lerate, Area Affected \$11,600 ght, Area Affected Locations Through ent: Light, Area A Locations Through ight, Area Affected Locations Through \$7,900	LIFE: 5% nout East of the cout East of t	* * Side 5% Side Side Side * *			
Railings/Parapets Steel	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Lig Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L Location: Random I 100% 4+	\$11,600 ght, Area Affected cocations Through ent: Light, Area Affected cocations Through ight, Area Affected cocations Through \$7,900 tent: Light, Area	LIFE: 5% nout East of the cout East of t	* * Side 5% Side Side Side * *			
Railings/Parapets Steel	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L Location: Random I 100% 4+ Other Observation, Ex	\$11,600 ght, Area Affected cocations Throughent: Light, Area Affected cocations Throughent: Through ight, Area Affected cocations Through ight, Area Affected cocations Through \$7,900 tent: Light, Area Spans 1 Thru 6	LIFE: 5% cout East; dout East; dout East; LIFE Affected:	* * Side 5% Side Side Side * *			
Railings/Parapets Steel	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L Location: Random I 100% 4+ Other Observation, Ex Location: East Side,	\$11,600 ght, Area Affected cocations Throughent: Light, Area Affected cocations Throughent: Through ight, Area Affected cocations Through ight, Area Affected cocations Through \$7,900 tent: Light, Area Spans 1 Thru 6	LIFE: 5% cout East; dout East; dout East; LIFE Affected:	* * Side 5% Side Side Side * *			
Railings/Parapets Steel Stone Rough Work	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L Location: Random I 100% 4+ Other Observation, Ex Location: East Side,	\$11,600 ght, Area Affected cocations Throughent: Light, Area Affected cocations Throughent: Through ight, Area Affected cocations Through ight, Area Affected cocations Through \$7,900 tent: Light, Area Spans 1 Thru 6	LIFE: 5% cout East; dout East; dout East; LIFE Affected:	* * Side 5% Side Side Side * *			
Railings/Parapets Steel Stone Rough Work Sidewalks	Cracks, Extent: Light, Location: West Side Spalling, Extent: Mod Location: West Side 100% 4+ Corrosion, Extent: Light Location: Random I Damaged Railing, Ext Location: Random I Rust Stains, Extent: L Location: Random I 100% 4+ Other Observation, Ext Location: East Side, Explanation: Missin	\$11,600 ght, Area Affected cocations Throughent: Light, Area Affected cocations Throughent: Through ight, Area Affected cocations Through ight, Area Affected cocations Through \$7,900 tent: Light, Area Spans 1 Thru 6	LIFE: 5% wout East: foot East: foot East: LIFE LIFE Affected:	* * Side 5% Side Side * *	5	\$2,100	

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

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

Asset #: 2510

Bridge Structure	Current Repair	Futur	e Replacement	M	aintenance	
system Component Type	% of Fail Date Estimat Total (Years)	ed Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
uperstructure						
Deck,Structural						
Concrete		22,400 LIFE	* *	5	\$66,300	
	Cracks, Extent : Moderate, Ar	ea Affected : 30%				
	Location: On Top Surface					
	Spalling, Extent : Light, Area A	Affected : 10%				
	Location: Random Location	s Throughout				
Concrete	90%	LIFE	* *	5	\$66,300	
Joints						
Generic	100% 4+ \$	11,800 LIFE	* *			
	Broken/Missing Elements, Exte	ent : Moderate, Ar	ea Affected : 10%			
	Location: Random Location	s Throughout				
Primary Member						
Not Accessible	100%					
	Other Observation, Extent : Li	ght, Area Affected	: 0%			
	Location:					
	Explanation: No Access To 2	Tracks				
Secondary Member						
Not Accessible	100%					
	Other Observation, Extent : Li	ght, Area Affected	: 0%			
	Location:					
	Explanation: No Access To 2	Tracks				

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$192,600	\$248,400
Total	\$192,600	\$248,400
Importance Code A	\$142,900	
Importance Code C	\$49,700	\$248,400
Total	\$192,600	\$248,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$48,800	\$3,700		
Total	\$48,800	\$3,700		
Importance Code A		\$500		
Importance Code B	\$21,400			
Importance Code C	\$27,400	\$3,300		
Total	\$48,800	\$3,700		



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

Current	Repair	Futur	e Replacement	М	aintenance	
		Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
4.0.0						
100%						
4.00						
	T	1.00	00/			
		Affected	: 0%			
		G:)	D1 - C HV 11			
Explanation : Abu	itment Is Benina The	Station I	Platform Wall			
1000/		2051	* *			
100%		2031				
1000/						
100%						
1000/		LIEE	* *			
100%		LIFE				
200/ 4+	\$21,400	LIDD	* *			
_		70				
		100/				
-		1070				
		10/				
		1 70				
	Abuimeni	LIEE	* *			
0070		LIITE				
100%		LIEE	* *			
100%		LIFE				
100%						
10070						
100%						
100%						
100%		LIEE	* *			
10070		LILL				
100% 2-4	\$49,700	2026	\$248 400	4	\$6,700	
			Ψ2-10,-100	-	φ0,700	
Location : Randoi	π εσυμισμό επισμέι					
Location : Randon			* *	1	\$6,000	
100% 4+	\$1,800	2034	* *	4	\$6,000	
100% 4+ Cracks, Extent : Lig	\$1,800 ht, Area Affected : 5	2034	* *	4	\$6,000	
100% 4+ Cracks, Extent : Lig	\$1,800	2034	* *	4	\$6,000	
100% 4+ Cracks, Extent : Lig Location : Randon	\$1,800 ht, Area Affected : 5	2034 1% nout		4	\$6,000	
100% 4+ Cracks, Extent : Lig	\$1,800 ht, Area Affected : 5	2034	**	4	\$6,000	
100% 4+ Cracks, Extent : Lig Location : Randon	\$1,800 ht, Area Affected : 5 n Locations Through	2034 2% aout LIFE	* *	4	\$6,000	
100% 4+ Cracks, Extent: Lig Location: Randon 100% 100% 4+	\$1,800 ht, Area Affected : 5	2034 2034 200t LIFE LIFE		4	\$6,000	
	100% 100% 100% 100% 100% 100% 100% 100% 100% 20% 4+ Cracks, Extent: Lig Location: Both A Leakage, Extent: L Location: At East 80% 100% 100% 100% 100% 100% 100% 100% 100%	Total (Years) 100% 100% Other Observation, Extent: Light, Area Location: Both Abutments Explanation: Abutment Is Behind The 100% 100% 20% 4+ \$21,400 Cracks, Extent: Light, Area Affected: 2 Location: Both Abutments Leakage, Extent: Light, Area Affected: Location: Both Abutments Spalling, Extent: Light, Area Affected: Location: At East Abutment 80% 100% 100% 100% 100%	No of Total (Years) Estimated Cost (Years) Total (Years)	Note Fail Date Estimated Cost Fy Estimated Cost Total (Years)	No of Total Fail Date Estimated Cost FY Estimated Cost Cycle Total (Years) Estimated Cost FY Estimated Cost Cycle Total (Years) Estimated Cost Cycle Total Estimated Cost FY Estimated Cost Cycle Total Estimated Cost FY Estimated Cost Cycle Total Estimated Cost Cycle Estimated Cost Cycle Estimated Cost Cycle Total Estimated Cost Cycle Cycle Estimated Cost Cycle Cycle Cycle Estimated Cost Cycle Cycle	100% Satimated Cost Year Estimated Cost Total (Years) Estimated Cost FY Estimated Cost Cycle (Yrs) Estimated Cost Total (Years) Estimated Cost FY Estimated Cost Cycle (Yrs) Estimated Cost Cycle (Yrs) Estimated Cost Cycle (Yrs) Estimated Cost Cycle Cycle

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.

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

^{**} 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	Currer	t Repair	Future Replacement Maintenance		aintenance		
System Component Type	% of Fail Da Total (Years	te 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	
		ght, Area Affected : I					
- · · · · ·	Location : Rando	m Locations Through	iout				
Railings/Parapets	1000/		2020	* *		Ф1 400	
Concrete	100%	Entrate Links Amer	2038		4	\$1,400	
	Location : North	Extent : Light, Area	Ајјестеа	: 100%			
		r ascia tion Building At Sou	th Fascia	Does Not Have A	Daranat		
Steel	100%	tion building At Sou	LIFE	**	2-8	¢1 200	
Steel		Extent : Light Ange			2-8	\$1,300	
	Other Observation, Extent : Light, Area Affected : 100% Location : North Fascia						
	Explanation : Steel Screen Wall On Top Of Concrete Parapet						
Sidewalks	Explanation . Sie	ei sereen wan on 10	p oj coi	icreie I arapei			
Concrete	100%		2033	* *	5	\$6,600	
uperstructure						+ = , = = =	
Deck,Structural							
Concrete	80%		LIFE	* *	5	\$12,400	
Concrete	20%		LIFE	* *	5	\$12,400	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location: Third	Main Span From We	st Side				
	Explanation: Co	mposite Deck Type S	tructure,	Full Span			
Joints							
Generic	100% 0-2	\$13,100	LIFE	* *			
	Leakage, Extent : Moderate, Area Affected : 25%						
	Location: At East Abutment South Side And West Abutment South Side						
		Extent : Light, Area		: 100%			
	_	The South Side Of Th					
	Explanation: Ex	pansion Joint Betwee	n Subwa	y Station And Bria	lge Deck		
Primary Member	1000	4.13 000		do do			
Prestressed Concrete Box Beam	100% 4+	\$142,900	LIFE	* *			
	Other Observation	, Extent : Light, Area	Affected	: 2%			
	Location: North	Fascia					
	Explanation: Cr	acks On Fascia Bean	ı				

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

^{**} 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

Area Sq Ft : 13,700 Project Type : HIGHWAY BRIDGES

Date of Survey : 17-Dec-2012 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2241190

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$370,200
Total		\$370,200
Importance Code A		\$135,600
Importance Code B		\$135,600
Importance Code C		\$99,000
Total		\$370,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$78,200		\$27,400	
Total	\$78,200		\$27,400	
Importance Code A	\$4,100		\$13,800	
Importance Code B			\$13,600	
Importance Code C	\$74,100			
Total	\$78,200		\$27,400	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futu	re Replacement	M	aintenance		
System Component Type	7	ail Date Estimated (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
butments								
Bridge Seat&pedestals Not Accessible	100%							
Backwall	10070							
Not Accessible	100%							
Brngs, Ancr Blts, Pads	10070							
Not Accessible	100%							
Footings	10070							
Not Accessible	100%							
Joint with Deck	100%							
Generic	100%		LIFE	* *				
Generic		ents, Extent : Light, Ar						
		nis, Exieni . Ligni, Ar Random Locations	ea Ajjeciea	70				
D. 1. (.1.	Locuiton	Kanaom Locations						
Pedestals Not Accessible	100%							
	100%							
Stem (breastwall)	1000/							
Not Accessible	100%							
Vingwalls								
Footings	1000/							
Not Accessible	100%							
Mat (scour & erosion)	1000/		LIEE	* *				
Earth	100%		LIFE	* *				
Piles	1000/							
Not Accessible	100%							
Walls	4.0							
Concrete	10%	4+ \$22,		* *				
		nt : Light, Area Affect						
	Location : More Severe At Southeast Wingwall							
	Efflorescence, Extent: Light, Area Affected: 30%							
	Location: Scattered Throughout							
	Other Observation, Extent : Light, Area Affected : 100%							
		Southeast And Southy						
	Explanation	n : Northeast And No	rthwest Wingw	valls Not Accessibl	e (Buildi	ings)		
Concrete	90%		LIFE	* *				

^{**} 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 l	Repair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Pavement								
Asphalt	80%			2025	\$79,200	4	\$4,000	
Asphalt	20%	4+	\$5,900	2025	\$19,800	4	\$2,700	
			lerate, Area Affecte	ed: 20%				
		: Through		1 500/				
			ight, Area Affectea	1:30%				
		ı : Begin A _l		A.CC 4 - 1	. 1000/			
			Extent : Light, Area	Affectea	: 100%			
		i : Both App		A 114 A	125 D C.			
		tion : Cons	ists Of 75 Percent .				Φ1 F 400	
Concrete	80%	7.1		2033	* *	4	\$15,400	
		_	t, Area Affected : 1 d Throughout	10%				
Concrete	20%	2-4	\$12,300	2033	* *	4	\$10,300	
	Cracks, Extent: Light, Area Affected: 15%							
	Location: Throughout							
			derate, Area Affect	ted : 40%	ó			
	Location	ı : Adjacen	t To Joints					
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
			ight, Area Affectea	l : 10%				
	Location	ı : Through	out					
Embankment	1.000/			LIEE	* *			
Earth	100%			LIFE	* *			
Guide Railing Steel	100%			LIFE	* *	2-8	\$2,300	
Steel		carvation I	Extent : Light Area			2-8	\$2,300	
	Other Observation, Extent : Light, Area Affected : 50% Location : South Side Of Bridge							
	Explanation: Steel Guide Railing On One Side Of The Bridge Only							
Mat (scour & erosion)	Блрини	iion . Sieei	Guide Railing On	One side	Of the Briage On	u y		
Earth	100%			LIFE	* *			
Sidewalks	10070							
Concrete	100%	4+	\$13,100	LIFE	* *			
			t, Area Affected : 1					
		ı : Through						
		_	ht, Area Affected :	5%				
		_	d Throughout					
eck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
			ight, Area Affected d Throughout	l : 5%				
Mono Deck Surface								
Concrete	100%	4+	\$3,600	2044	* *	5	\$28,100	
	Cracks, E.	xtent : Ligh	t, Area Affected : 1	10%			•	
	Location	ı : Scattere	d Throughout					

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

^{**} 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 R	epair	Future Replacement		М	Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Deck Elements								
Railings/Parapets								
Concrete	100%		2033	* *	4			
	Other Observation, Ex		Affected :	50%				
	Location: Both Side	S						
	Explanation : Concr To Building On Nort		ed Steel S	heeting On South	Side. N	o Parapets Due		
Steel	100% 4+	\$4,100	LIFE	* *	2-8	\$4,600		
	Damaged Railing, Ext Location : South Par		Affected:	1%				
Sidewalks								
Concrete	100% 4+	\$10,200	2029	* *	5	\$2,900		
	Broken/Missing Elements, Extent : Light, Area Affected : 10%							
	Location: Throughout							
	Cracks, Extent: Light, Area Affected: 10%							
	Location: Throughout							
	Recent Replace Evident, Extent : Light, Area Affected : 2%							
	Location : North Sid	ewalk						
	Vegetation Growth, Extent: Light, Area Affected: 2%							
	Location : Scattered	Throughout						
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		

^{**} 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
Total	\$288,300	\$2,166,200
Importance Code A	\$249,900	\$305,700
Importance Code C	\$38,400	\$1,860,500
Total	\$288,300	\$2,166,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$89,200	\$39,400	\$32,200	\$1,300
Total	\$89,200	\$39,400	\$32,200	\$1,300
Importance Code A	\$32,500	\$1,200	\$32,200	
Importance Code C	\$56,600	\$38,100		\$1,300
Total	\$89,200	\$39,400	\$32,200	\$1,300



Maintenance \$ are aggregated over a ten-year period. Site 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	Curren	t Repair	Future	Replacement	M	aintenance		
System Component Type	% of Fail Dat Total (Years	te Estimated Cost	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments								
Bridge Seat&pedestals								
Concrete	100%		LIFE	* *				
Backwall								
Not Accessible	100%							
Brngs, Ancr Blts, Pads								
Steel	100%		LIFE	* *				
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%		LIFE	* *				
Mat (scour & erosion)								
Earth	100%		LIFE	* *				
Pedestals								
Concrete	100%		LIFE	* *				
Stem (breastwall)								
Concrete	100%		LIFE	* *				
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%		LIFE	* *				
Piles								
Not Accessible	100%							
Walls								
Concrete	4% 4+	\$30,700	LIFE	* *				
2011010								
	Cracks, Extent : Light, Area Affected : 5% Location : Random Locations Throughout							
	Efflorescence, Extent: Light, Area Affected: 10%							
	Location : Random Locations Throughout							
		ent : Light, Area Affe						
	_	m Locations Through						
		, Extent : Light, Area		300/				
	_	, Extent . Light, Ared Abutment West Face		3076				
_		Adulment west ruce						
Concrete	96%		LIFE	* *				
Approaches								
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		
	Other Observation,	Extent : Moderate, A	Area Affect	ed : 20%				
	Location: South	Approach East Face						
	Explanation : Imp							

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

^{**} 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 F	Repair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
pproaches								
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Railings/Parapets								
Masonry	60%	4+	\$8,400	2034	**			
			xtent : Light, Area		: 20%			
			Locations Through		110 11 10			
		tion : Missi	ng/ Eroded Joint M			ing Stone	es .	
Masonry	40%			2034	* *			
Sidewalks	• • • •		** * * * * * * * * * * * * * * * * * *					
Concrete	30%	4+	\$25,900	LIFE	* *			
		_	t, Area Affected : 5					
			Locations Through					
		_	ht, Area Affected :					
			Locations Through		noted . 100/			
	_		Extent : Moderate, L Locations Through		жией . 10%			
			xtent : Severe, Are		1 · 60%			
			xiem . Severe, Are Locations Through		a.0070			
			Accumulation	ioni				
Concrete	70%	iion . Diri i	iccumulation	LIFE	* *			
eck Elements	70%			LIFE				
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Concrete w Steel I ace		ervation. E	xtent : Light, Area		: 100%			
		: At South		33				
	Explana	tion : Only	One Side Of The B	ridge Ha	s Curbs			
Guide Railing								
Steel	100%			LIFE	* *			
	Other Obs	ervation, E	xtent : Light, Area	Affected	: 100%			
	Location	: At South	Side					
	Explana	tion : Only	One Side Of The B	ridge Ha	s Guide Railings			
Median								
Concrete	100%			LIFE	* *	5	\$1,800	
Railings/Parapets	400			2621			** -0 -	
Concrete	100%			2034	**	4	\$3,600	
			xtent : Light, Area	Affected	: 100%			
		: At North		II C	. D			
a			Side Of The Bridge					
Steel	100%	4+	\$11,700	LIFE	* *	2-8	\$6,700	
			ight, Area Affected					
			Locations Through		. 1000/			
			xtent : Light, Area	Affected	: 100%			
		: North Si		Has C	al Danamata			
	<i>Exp</i> иana	uon : One :	Side Of The Bridge	rius Stee	a Farapets			

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

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

DEPARTMENT OF TRANSPORTATION - 841 HUTCHINSON RIVER PARKWAY BRIDGE

Bridge Structure	Current Repair	Future Repl	acement	M	aintenance		
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year Estim	nated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Deck Elements							
Sidewalks							
Concrete	100%	2030	* *	5	\$2,700		
	Other Observation, Extent:	Moderate, Area Affected : (50%				
	Location: Random Location	ons Throughout					
	Explanation: Dirt Accumu	lation					
Wearing Surface							
Concrete	100%	2034	* *	5	\$76,800		
Superstructure							
Deck,Structural							
Concrete	100%	LIFE	* *	5	\$17,000		
	Other Observation, Extent : Light, Area Affected : 10%						
	Location: Throughout						
	Explanation : Stay In Place	e Forms - Good Condition					
Primary Member							
Steel	90%	LIFE	* *	2-8	\$285,500		
Steel	10% 4+	6249,900 LIFE	* *	2-8	\$285,500		
	Other Observation, Extent:	Light, Area Affected : 50%					
	Location : Bottom Flanges						
	Explanation : Corrosion, F	<i>laking</i>					

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

Page: 400

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$551,000
Total		\$551,000
Importance Code A		\$118,800
Importance Code B		\$118,800
Importance Code C		\$313,400
Total		\$551,000

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$50,300		\$24,200	
Total	\$50,300		\$24,200	
Importance Code A	\$10,300		\$12,300	
Importance Code B			\$11,900	
Importance Code C	\$40,000			
Total	\$50,300		\$24,200	



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

^{**} 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	Curren	t Repair	Future Replacement		Maintenance		
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals							
Not Accessible	100%						
Backwall							
Not Accessible	100%						
Brngs,Ancr Blts,Pads							
Not Accessible	100%						
Footings							
Not Accessible	100%						
Joint with Deck							
Generic	100%		LIFE	* *			
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Pedestals	400						
Not Accessible	100%						
Stem (breastwall)	1000/						
Not Accessible	100%						
Wingwalls							
Footings	1000/						
Not Accessible	100%						
Mat (scour & erosion)	1000/						
Not Accessible	100%	Extent : Light Ange	Affactad	. 1000/			
	Location:	Extent : Light, Area	Ајјестеа .	10070			
		Access To The Traci	ze				
Walls	Explanation . No	Access 10 The Truci					
Not Accessible	100%						
Not Accessible		Extent : Light, Area	Affected	. 100%			
	Location:	Ziiciii : Zigiii, IIrea	rijjeerea .	10070			
		Access To The Traci	25				
Approaches							
Pavement							
Asphalt	100% 4+	\$15,700	2025	\$313,400	4	\$6,700	
r		ght, Area Affected : 1		, ,		, -,	
	Location : Throug						
	Settlement, Extent :	Light, Area Affected	l : 5%				
	Location : Scatter						
	Other Observation,	Extent : Light, Area	Affected .	100%			
	Location: Both A						
	Explanation: Con	sists Of 50 Percent.	Asphalt A	nd 50 Percent Co	ncrete		
Concrete	100% 4+	\$9,800	2033	* *	4	\$25,700	
		ght, Area Affected : 5				, -,	
	Location : Both A						
Curbs							
Concrete w/ Steel Face	100%		LIFE	* *			
		Light, Area Affected					
	Location : Throug						

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

^{**} 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 Replacemen		e Replacement	nt Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Embankment								
Earth	100%			LIFE	* *			
Guide Railing								
Steel	100%	4+	\$2,300	LIFE	* *	2-8	\$5,800	
			ight, Area Affected	: 5%				
	Location	: Scattered	d Throughout					
Mat (scour & erosion)	1000/				de de			
Earth	100%			LIFE	* *			
Sidewalks	400				de de			
Concrete	100%			LIFE	* *			
eck Elements								
Guide Railing	1000/			2027	* *			
Concrete	100%			2037	* *			
Median	1000/			, inc	* *	-	Φ2.000	
Concrete	100%			LIFE	* *	5	\$2,800	
Mono Deck Surface	1000/	4.	Φ5.500	2011	* *	~	ф 22 400	
Concrete	100%	4+	\$5,500	2044	* *	5	\$33,400	
			t, Area Affected : 5	%				
- · · · · ·	Location	: Scattered	d Throughout					
Railings/Parapets	1000/	4.	ΦΩ ΩΩΩ	2022	* *	4	Φ 5 400	
Concrete	100%	4+	\$8,000	2033	* *	4	\$5,400	
			t, Area Affected : 3	%0				
		: North Pa	-	A CC . 1	1000/			
			Extent : Light, Area	Аဌјестеа	: 100%			
		: Both Sid		w.i.c	. 114 . 161			
		tion : Paraj	pets Are Concrete				** 400	
Steel	100%			LIFE	* *	2-8	\$5,400	
			ight, Area Affected	: 5%				
	Location	: Scattered	d Throughout					
Sidewalks	400		40.400		de de	_	* * * * * * * * * * * * * * * * * * *	
Concrete	100%	4+	\$9,100	2029	* *	5	\$5,000	
			t, Area Affected : 1	0%				
	Location	: Scattered	d Throughout					
uperstructure								
Deck,Structural	400							
Not Accessible	100%							
Primary Member	1000			TIPE	do do	2.0	ф оо д 000	
Steel	100%			LIFE	**	2-8	\$221,800	
			Extent : Light, Area	Affected	: 10%			
		: Through						
Canandam, M1	Explana	tion : Paint	reeung					
Secondary Member	1000/			LIDD	* *	20	¢105 000	
Steel	100%			LIFE		2-8	\$185,800	

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

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

Page: 403

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$4,443,400	\$4,214,800
Total	\$4,443,400	\$4,214,800
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
Total	\$4,443,400	\$4,214,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$2,600		\$280,300	\$6,400
Total	\$2,600		\$280,300	\$6,400
Importance Code A			\$137,300	
Importance Code B			\$143,000	
Importance Code C	\$2,600			\$6,400
Total	\$2,600		\$280,300	\$6,400



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
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	_		\$102,200 Extent : Moderate, Abutments	LIFE Area Aff	* * fected : 40%			
Mat (scour & erosion) Not Accessible	100%							
Pedestals Not Accessible	100%							
Stem (breastwall) Not Accessible	100%							
Wingwalls Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100% Cracks, E	4+ xtent : Mod	\$2,600 lerate, Area Affecte	LIFE ed : 20%	* *			
Piles Not Accessible	100%							
Walls	10070							
Concrete	Location	: Through	Extent : Light, Area sout crete Has Brownsto					
Approaches								
Pavement Asphalt Asphalt	Location Spalling, I	: Random	oderate, Area Affec			4 4	\$12,900 \$12,900	
Curbs								
Concrete	100%			LIFE	* *			
Concrete w/ Steel Face Pavement Base Not Accessible	100%			LIFE	* *			
Sidewalks Concrete	100%			LIFE	* *			
Concrete	100%			LILE	. •			

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

^{**} 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 F	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year E	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers						
Pier,Columns	0.50/	LIDD	* *	2.0	¢126 500	
Steel	95% Other Observation, Extent : Light, Ar	LIFE		2-8	\$126,500	
	Location : Throughout	еи Ајјестеа . 1	070			
	Explanation: Peeling Paint And Mi	nor Pitting				
Steel	5% 4+ \$138,100		* *	2-8	\$126,500	
Steel	Corrosion, Extent : Severe, Area Affe			2-0	Ψ120,300	
	Location: Random					
	Loss of Section, Extent : Severe, Area	Affected: 60%	6			
	Location : Random					
Brngs,Ancr Blts,Pads						
Steel	100%	LIFE	* *	2-8	\$72,800	
Footings						
Not Accessible	100%					
Mat (scour & erosion)						
Generic	100%	LIFE	* *			
Pedestals	1000					
Concrete	100% 4+ \$195,700		* *			
	Cracks, Extent : Moderate, Area Affect Location : At Base Of Columns	стеа : 20%				
Deck Elements	Location . At base Of Columns					
Gratings						
Steel	100%	LIFE	* *			
Median						
Concrete	100% 4+ \$469,700) LIFE	* *	5	\$18,900	
	Cracks, Extent : Moderate, Area Affec				•	
	Location: Random					
	Spalling, Extent : Light, Area Affected	d : 2%				
	Location : Random					
Railings/Parapets				_		
Concrete	100% 4+ \$685,000		* *	4	\$69,700	
	Cracks, Extent : Moderate, Area Affec	cted : 20%				
	Location : Random					
Wearing Surface	1000/ 4: 01.016.206	2022	* *	_	¢201 500	
Concrete	100% 4+ \$1,916,200		* *	5	\$321,500	
	Spalling, Extent : Light, Area Affected Location : West End	i . 10%				
	Other Observation, Extent : Light, Ar	oa Affected · 1	0%			
	Location :	ғи <i>пу</i> јесіей . 1	0/0			
	Explanation : Normal Wearing					
Superstructure	Sapramanon . 1101mm treating					
Deck,Structural						
Concrete	80%	LIFE	* *	5	\$148,800	
Concrete	20% 4+ \$740,900		* *	5	\$148,800	
	Cracks, Extent : Severe, Area Affected				,	
	Location : Cracks With Efflorescend					

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

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

Page: 406

DEPARTMENT OF TRANSPORTATION - 841 LIRR BUSHWICK DIVISION BRIDGE ATLANTIC AVE/LIRR ATLANTIC AVE

Bridge Structure	Current Repair	Future R	Replacement	M	aintenance			
ystem Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
aperstructure								
Joints								
Generic	100% 4+	\$75,500 LIFE	* *					
	Misaligned/Bulging, Extent:	Moderate, Area Affect	ed : 30%					
	Location: Bulging And Pro	truding Joint Filler Th	roughout					
Primary Member								
Steel	100%	LIFE	* *	2-8	\$2,498,700			
	Corrosion, Extent : Light, Area Affected : 2%							
	Location: At Joints Throughout							
	Other Observation, Extent: Light, Area Affected: 100%							
	Location: Throughout							
	Explanation: Minor Pitting And Peeling Paint							
Secondary Member								
Steel	100%	LIFE	* *	2-8	\$2,093,200			
	Other Observation, Extent : Moderate, Area Affected : 20%							
	Location: Throughout	30						
	Explanation : Minor Pitting	And Peeling Paint						

Page: 407

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$223,800	\$412,900
Total	\$223,800	\$412,900
Importance Code C	\$223,800	\$412,900
Total	\$223,800	\$412,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$36,900	\$2,400	\$1,100	·
Total	\$36,900	\$2,400	\$1,100	
Importance Code A	\$30,500		\$1,100	
Importance Code C	\$6,300	\$2,400		
Total	\$36,900	\$2,400	\$1,100	



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

Bridge Structure		Current F	Repair	Futur	e Replacement	M	aintenance	
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	* *			
			ht, Area Affected :	10%				
		: Both Abi						
			Extent : Light, Ared	a Affecte	d : 5%			
	Location	: Random						
Mat (scour & erosion)								
Riprap	100%			LIFE	* *			
Pedestals	1000/							
Not Accessible	100%							
Stem (breastwall)	1000/							
Not Accessible	100%							
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion)	10070							
Riprap	100%			LIFE	* *			
Walls	10070			LII L				
Concrete	100%			LIFE	* *			
Approaches	10070			- En E				
Pavement								
Asphalt	100%	4+	\$41,300	2024	\$412,900	4	\$9,600	
•	Cracks, E	xtent : Mod	erate, Area Affecte	d: 20%				
	Location	: Random						
Concrete	100%	4+	\$107,300	2032	* *	4	\$36,700	
		xtent : Ligh	t, Area Affected : 1				. ,	
	Location	: Random						
Curbs								
Concrete w/ Steel Face	100%	4+	\$4,600	LIFE	* *			
			evere, Area Affecte	d: 40%				
	Location	: Through	out					
Embankment	<u> </u>							
Not Accessible	100%							

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 I	Repair Future Replacement Maint		aintenance	itenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Guide Railing								
Concrete	100%			2032	* *	4		
		_	t, Area Affected : 5	9%				
		n : Random		A CC . 1	900/			
			Extent : Light, Area	Affectea	: 80%			
		n : Through						
Cr. 1		ition : Peeli	ng Paini	LIDE	* *	2.0	¢0,000	
Steel Met (seem & seeign)	100%	1		LIFE	* *	2-8	\$9,900	
Mat (scour & erosion) Earth	100%			LIFE	* *			
Pavement Base	10070	1		LIII				
Not Accessible	100%							
Sidewalks	10070							
Concrete	100%	4+	\$5,100	LIFE	* *			
Concrete			t, Area Affected : 2					
		n : Random						
	Vegetatio	n Growth, I	Extent : Severe, Are	a Affecte	ed : 40%			
		n : Through		33				
iers								
Cap Beam								
Not Accessible	100%	1						
Pier,Columns								
Not Accessible	100%	1						
Stem,Solid Pier								
Not Accessible	100%	1						
Brngs, Ancr Blts, Pads	400-							
Not Accessible	100%	1						
Footings	1000/							
Not Accessible	100%	1						
Mat (scour & erosion)	1000/			LIDD	* *			
Earth Pedestals	100%	1		LIFE				
Not Accessible	100%							
eck Elements	10070	<u> </u>						
Curbs								
Concrete w/ Steel Face	100%	4+	\$26,000	LIFE	* *			
2222220 200011 400			evere, Area Affecte					
		n : Through						
Mono Deck Surface								
Concrete	80%			2043	* *	5	\$4,800	
Concrete	20%	4+	\$1,200	2043	* *	5	\$2,400	
			lerate, Area Affecte					
	Locatio	n : Transver	rse Cracks Through	hout				

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

Bridge Structure	cture Current Repair		C Current Repair Future Replacemen			ture Replacement Maintenance			Current Repair Future Replacement Mair		
System Component Type	% of Fail Date Estim Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority					
Deck Elements											
Railings/Parapets											
Concrete	100%	2032	* *	4							
	Cracks, Extent : Light, Area	Affected: 5%									
	Location: Random										
	Other Observation, Extent:	Severe, Area Affecte	d : 80%								
	Location : Throughout										
	Explanation : Peeling Pair										
Steel	100%	LIFE	* *	2-8	\$22,300						
Sidewalks											
Concrete	100% 4+	\$75,200 2028	* *	5	\$10,800						
	Cracks, Extent : Light, Area	Affected: 5%									
	Location: Random										
	Cracking/Crumbling, Extent	-	ffected : 20%								
	Location : At Interface Wi	th Curb									
Superstructure											
Deck,Structural											
Not Accessible	100%										
Joints											
Generic	100%	LIFE	* *								
	Leakage, Extent : Light, Are										
	Location: Both Abutments										
	Misaligned/Bulging, Extent	: Light, Area Affected	d: 10%								
	Location : Random										
Primary Member	1000										
Not Accessible	100%										
Secondary Member	1000/										
Not Accessible	100%										

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$855,400	\$1,839,600
Total	\$855,400	\$1,839,600
Importance Code A	\$79,200	\$22,300
Importance Code C	\$776,200	\$1,817,300
Total	\$855,400	\$1,839,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$3,600		\$2,900	\$11,500
Total	\$3,600		\$2,900	\$11,500
Importance Code A Importance Code C	\$3,600		\$2,900	\$11,500
Total	\$3,600		\$2,900	\$11,500



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	ructure Current Repair Future Replace		e Replacement	ment Maintenance			
System Component Type	% of Fail Da Total (Years	te 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	* *			
	=	Light, Area Affected :	10%				
	Location: Both A						
		g, Extent : Light, Are	a Affecte	d : 10%			
	Location : Rando	om					
Mat (scour & erosion)	4.0.0			de de			
Earth	100%		LIFE	* *			
Riprap	100%		LIFE	* *			
Pedestals	1000/						
Not Accessible	100%						
Stem (breastwall) Not Accessible	1000/						
	100%						
Wingwalls							
Footings Not Accessible	100%						
Mat (scour & erosion)	10070						
Riprap	100%		LIFE	* *			
Walls	10070		DII D				
Not Accessible	100%						
Approaches	10070						
Pavement							
Asphalt	100% 4+	\$138,000	2024	\$1,380,500	4	\$19,200	
		oderate, Area Affecte		+ -,,-		+ - · , - · ·	
	Location : Rando	om					
	Spalling, Extent : I	Light, Area Affected :	5%				
		nt At South Abutment					
Concrete	100% 4+	\$90,200	2032	* *	4	\$30,800	
		ght, Area Affected : I				720,000	
	Location : Rando	om					
Curbs							
Concrete w/ Steel Face	100% 4+	\$3,600	LIFE	* *			
	Corrosion, Extent	: Severe, Area Affecte	ed : 40%				
	Location: Throu	ghout					
Embankment							
Not Accessible	100%						
	100%						

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair Future Replacement Maintenance			aintenance	е	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Guide Railing								
Concrete	100%			2032	* *	4		
			t, Area Affected : 5	5%				
		n : Random			000/			
			Extent : Light, Area	Affected	: 80%			
		n : Through						
		ation : Peeli	ng Paint				*10.000	
Steel	100%)		LIFE	* *	2-8	\$19,800	
Mat (scour & erosion)	400-							
Earth	100%			LIFE	* *			
Riprap	100%)		LIFE	* *			
Pavement Base	1000							
Not Accessible	100%)						
Sidewalks	400-		4== 000		de de			
Concrete	100%		\$73,800	LIFE	* *			
		_	t, Area Affected : 2	2%				
		n : Random	7	A CC .	1 4007			
			Extent : Severe, Are	ea Affecte	ed: 40%			
		n : Through		1.00	1000/			
			Extent : Light, Area		: 100%			
			alk At Southwest A					
iers	Ехрини	iiion . waie	r Main With Missii	ig Cover				
Cap Beam								
Not Accessible	100%							
Pier,Columns	10070	'						
Not Accessible	100%							
Brngs, Ancr Blts, Pads	10070	<u>'</u>						
Not Accessible	100%	,						
Footings	10070	<u>'</u>						
Not Accessible	100%	,						
Mat (scour & erosion)		<u> </u>						
Earth	100%)		LIFE	* *			
Pedestals								
Not Accessible	100%)						
eck Elements								
Curbs								
Concrete w/ Steel Face	100%	4+	\$79,200	LIFE	* *			
	Corrosion	n, Extent : S	evere, Area Affecte	ed: 40%				
	Location	n : Through	out					
Mono Deck Surface								
Concrete	20%	4+	\$55,000	2043	* *	5	\$218,400	
	Cracks, E	Extent : Mod	erate, Area Affecte	ed: 20%				
	Location	n : Transver	rse Cracks					

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

Bridge Structure	Current Repair	Future Replacement		M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Railings/Parapets						
Concrete	100%	2032	* *	4	\$23,100	
	Cracks, Extent: Light, Area Affected:	5%				
	Location : Random					
	Other Observation, Extent : Severe, Ar	ea Affecte	ed: 80%			
	Location : Throughout					
	Explanation: Peeling Paint And Gra	ffiti				
Steel	100%	LIFE	* *	2-8	\$68,000	
Sidewalks						
Concrete	100% 4+ \$200,800	2028	* *	5	\$28,800	
	Cracks, Extent: Light, Area Affected:	5%				
	Location: Random					
	Cracking/Crumbling, Extent : Light, A	rea Affect	ed : 10%			
	Location: At Interface With Curb					
Superstructure						
Deck,Structural						
Not Accessible	100%					
Joints						
Generic	100%	LIFE	* *			
	Leakage, Extent : Moderate, Area Affec	cted : 20%	6			
	Location: Both Abutments					
	Misaligned/Bulging, Extent: Light, Are	ea Affecte	d:5%			
	Location: Random					
Primary Member						
Not Accessible	100%					
Secondary Member						
Not Accessible	100%					

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

Page: 415

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

Area Sq Ft : 104,561 Project Type : HIGHWAY BRIDGES

Date of Survey : 13-Nov-2013 Landmark Status : NONE

Areas Surveyed :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$88,400	\$1,065,200
Total	\$88,400	\$1,065,200
Importance Code A		\$22,000
Importance Code C	\$88,400	\$1,043,200
Total	\$88,400	\$1,065,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$20,900		\$2,400	
Total	\$20,900		\$2,400	
Importance Code A			\$2,400	
Importance Code C	\$20,900			
Total	\$20,900		\$2,400	



Maintenance \$ are aggregated over a ten-year period. Site 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 F	Repair	Futui	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	* *			
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Not Accessible	100%							
Walls								
Not Accessible	100%							
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
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	
		_	t, Area Affected : 1	10%				
		: Through						
			ight, Area Affected	d : 5%				
	Location	: Through	out					
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%							

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

Bridge Structure		Current I	Repair	Futur	re Replacement	M	aintenance	
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	400							
Concrete w/ Steel Face	100%			LIFE	* *			
Railings/Parapets	400				de de	• 0		
Steel	100%			LIFE	* *	2-8	\$66,900	
Sidewalks	1.000/		#00.400	2020	de de	_	#21.7 00	
Concrete	100%	4+	\$88,400	2030	* *	5	\$31,700	
		_	t, Area Affected : 5 Locations Through					
Wearing Surface								
Concrete	100%			2034	* *	5		
Scupper								
Cast Iron	100%			LIFE	* *			
	Other Obs	ervation, E	Extent : Light, Area	Affected	! : 100%			
	Location	i : Through	out					
	Explana	tion : Total	Of 6 Scuppers					
Superstructure								
Deck,Structural								
Not Accessible	100%							
Joints								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$269,800	\$579,800
Total	\$269,800	\$579,800
Importance Code A	\$131,700	
Importance Code C	\$138,000	\$579,800
Total	\$269,800	\$579,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$29,000		\$1,600	\$21,200
Total	\$29,000		\$1,600	\$21,200
Importance Code A			\$1,600	
Importance Code C	\$29,000			\$21,200
Total	\$29,000		\$1,600	\$21,200



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments	_	_						
Bridge Seat&pedestals								
Not Accessible	100%							
Backwall								
Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck Generic	100%			LIFE	* *			
Mat (scour & erosion) 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			\$29,000 at, Area Affected : 3 out	2026	\$579,800	4	\$8,100	
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	100%			LIFE	. •			
Concrete	100%		Tukank , I :- L. A	LIFE	**			
			Extent : Light, Area Locations Through		2 : <i>2</i> %0			

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.

 $\label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	Cur	rent Repair	Future Replac	cement	M	aintenance	
System Component Type		Date Estimated Cost ars)	Year Estima FY	ted Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers							
Cap Beam	4.0.0						
Not Accessible	100%						
Pier, Columns	1000/						
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	1000/ 4	. \$121.700	2020	* *			
Concrete		+ \$131,700 : Light, Area Affected ndom Locations Throug		* *			
Steel	100%		LIFE	* *			
Railings/Parapets	10070		EH E				
Steel	100%		LIFE	* *	2-8	\$45,000	
Sidewalks							
Concrete	=	wth, Extent : Light, Are ndom Locations Throug		* *	5	\$42,400	
Wearing Surface			,				
Concrete	100%		2034	* *	5		
Scupper Cast Iron		4 \$138,000 l, Extent : Moderate, Andom Locations Throug		* *			
	Other Observati Location : Thr	ion, Extent : Light, Are					
Superstructure	Ехріананоп :	10iai Oj 24 Scuppers					
Deck,Structural							
Not Accessible	100%						
Joints							
Not Accessible	100%						
Primary Member							
Not Accessible	100%						
Secondary Member Not Accessible	100%						

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$300,600	\$586,800
Total	\$300,600	\$586,800
Importance Code A	\$36,400	
Importance Code C	\$264,200	\$586,800
Total	\$300,600	\$586,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$20,500	\$11,700	\$15,900	\$15,100
Total	\$20,500	\$11,700	\$15,900	\$15,100
Importance Code A	\$8,800	\$11,700	\$1,100	
Importance Code C	\$11,700		\$14,700	\$15,100
Total	\$20,500	\$11,700	\$15,900	\$15,100



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

^{**} 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 I	Repair	Future	Replacement	M	aintenance	
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	400							
Not Accessible	100%							
Footings	400							
Not Accessible	100%							
Joint with Deck	400				ate ate			
Generic	100%			LIFE	* *			
Mat (scour & erosion)	1000			* ***	ate ate			
Earth	100%			LIFE	* *			
Pedestals	400							
Not Accessible	100%							
Stem (breastwall)	400							
Not Accessible	100%							
Wingwalls								
Footings	1000							
Not Accessible	100%							
Mat (scour & erosion)	1000				* *			
Earth	100%			LIFE	* *			
Piles	1000/							
Not Accessible	100%							
Walls	1000/							
Not Accessible	100%							
Approaches								
Pavement	1000/	4.	¢11.700	2026	¢506 000	4	¢c2.700	
Asphalt	100%		\$11,700	2026	\$586,800	4	\$63,700	
		xieni : Lign n : Through	t, Area Affected : 2	0%				
		_	oui .ight, Area Affectea	1.100/				
		ı, Extent : L n : Random	0 00	1:10%				
							** ** ** ** ** ** ** ** ** ** ** ** **	
Concrete	100%		\$142,600	2034	* *	4	\$243,900	
			t, Area Affected : 5	%				
-	Location	n : Random	Locations					
Curbs	400		4.5.4.00					
Concrete w/ Steel Face	100%		\$36,400	LIFE	* *			
			Moderate, Area Aff	ected: 70	1%			
=	Location	n : Through	out					
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)	400							
Earth	100%			LIFE	* *			

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Railings/Parapets	400		40.000					
Concrete	100%		\$8,800	2034	* *			
		_	t, Area Affected : 2 Locations Through					
G. 1			Locuitons Through		* *			
Steel	100%			LIFE	**			
Sidewalks	1000/	4.	¢121 600	LIDE	* *			
Concrete	100%		\$121,600	LIFE				
		мені . Ligh 1 : Through	t, Area Affected : 5	70				
		_	oui ht, Area Affected :	50/				
		exiem . Lig 1 : Through		370				
			Extent : Moderate, 1	Area Affa	ected · 30%			
			Locations Through		.c.ca . 5070			
Piers	2000000		200000000000000000000000000000000000000					
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	* *			
			Moderate, Area Aff	ected : 6	0%			
		ı : Through		1.00	1000/			
			Extent : Light, Area	Affected	: 100%			
	Location		. 10 N 451					
Cuido Boilina	Explana	поп : Loca	ted On North Side					
Guide Railing Concrete	100%			2038	* *			
Concrete			Extent : Light, Area					
		servation, E 1 : North Si		лујества	. 100/0			
			ue rete Barrier Acting	As Guid	le Rail			
-	Блрини	won . com	. c.c Barrier Hennig	115 Julu				

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

^{**} 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

Bridge Structure	Current Repair	Future Rep	placement	M	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year Esti FY	mated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Railings/Parapets						
Concrete	100%	2034	* *	4	\$35,100	
Steel	100%	LIFE	* *	2-8	\$32,200	
	Other Observation, Extent .	Light, Area Affected : 100	0%			
	Location:					
	Explanation : Solid Vertic	cal Panels On Both Sides				
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%					

Page: 425

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

Area Sq Ft : 25,288 Project Type : HIGHWAY BRIDGES

Date of Survey : 11-Nov-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2066002

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$521,000	\$567,800
Total	\$521,000	\$567,800
Importance Code A	\$261,300	\$250,300
Importance Code B	\$181,800	\$250,300
Importance Code C	\$77,900	\$67,200
Total	\$521,000	\$567,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$39,700		\$50,200	
Total	\$39,700		\$50,200	
Importance Code A			\$25,100	
Importance Code B	\$12,800		\$25,100	
Importance Code C	\$26,900			
Total	\$39,700		\$50,200	



Maintenance \$ are aggregated over a ten-year period. Site 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 Rep	Current Repair Future Replace		acement Maintenance		
System Component Type	% of Fail Date Ed Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments		-				
Bridge Seat&pedestals Concrete	100%	LIFE	* *			
Backwall						
Concrete	100% 4+ Cracks, Extent : Light, A Location : Southwest C Rust Stains, Extent : Lig	Corner Of Bridge ht, Area Affected : 5%	* *			
	Location : East Abutm Spalling, Extent : Light, Location : Throughout	Area Affected : 10%				
Brngs,Ancr Blts,Pads	Location . Introughout	Degin Adument				
Generic	100% Rust Stains, Extent : Lig Location : Throughout		* *			
Footings						
Not Accessible	100%					
Joint with Deck Generic	100%	LIFE	* *			
Pedestals						
Concrete	100%	LIFE	* *			
Stem (breastwall) Concrete	100% 4+ Cracks, Extent : Light, A Location : East Abutm Other Observation, Exte Location : Northeast C	ent nt : Light, Area Affected Corner				
	Explanation : Masonry	Facade Exhibiting Min	or Mortar Loss An	d Vegeta	tion Growth	
Wingwalls Piles Not Accessible	100%					
Walls Concrete	100% 4+ Cracks, Extent: Light, A Location: End Abutme Other Observation, Exte Location: End Abutme Explanation: Concrete	ent nt : Light, Area Affected ent	* * 1 : 100%			
Approaches	•					
Pavement Concrete	100% 4+ Cracks, Extent : Light, A Location : Throughout		* *	4	\$38,500	
Embankment Earth	100%	LIFE	* *			
Mat (scour & erosion) Earth	100%	LIFE	* *			

Maintenance \$ are aggregated over a ten-year period. Site 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 Rep	air Futu	Future Replacement		Maintenance	
System Component Type	% of Fail Date Es Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches						
Railings/Parapets						
Concrete	100%	2034	* *			
iers						
Stem,Solid Pier	400					
Concrete	100% 4+	\$181,800 LIFE	* *			
	Cracks, Extent : Modera	==				
	Location: Throughout					
	Spalling, Extent : Light,					
	Location : East Face C	f Pier				
Brngs,Ancr Blts,Pads	1000/	LIDE	* *			
Generic	100%	LIFE	* *			
	Rust Stains, Extent : Light					
	Location : Random Loc	cations Inroughout				
Footings	1000/					
Not Accessible	100%					
Pedestals Concrete	1,000/	LIEE	* *			
Piles	100%	LIFE				
Not Accessible	100%					
Peck Elements	100%					
Mono Deck Surface						
Concrete	100% 4+	\$40,400 2045	* *	5	\$67,200	
Concrete	Cracks, Extent : Light, A			3	ψ07,200	
	Location : Throughout					
Railings/Parapets						
Concrete	100%	2034	* *	4		
Comercia	Other Observation, Exte		1:5%	·		
	Location : Random Loc					
	Explanation : Vegetati	on Growth				
uperstructure	<u>.</u>					
Deck,Structural						
Concrete	100% 4+	\$261,300 LIFE	* *	5	\$27,800	
	Cracks, Extent : Light, A	rea Affected : 10%				
	Location : Fascia Over	rhangs And Light Blister	•			
	Rust Stains, Extent : Liga	ht, Area Affected : 10%				
	Location: Underside (Of Stay-in-place Forms				
	Other Observation, Exte	nt : Light, Area Affected	! : 100%			
	Location: All Bays Ex	cept The Center Bay				
	Explanation: Covered	By Stay-In-Place Form	s, Some Corroded	Areas Wi	th Efflorescence	
Joints						
Not Accessible	100%					
Primary Member						
Steel	100%	LIFE	* *	2-8	\$467,500	
Secondary Member						
Steel	100%	LIFE	* *	2-8	\$391,600	

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

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

Page: 428

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$508,300
Total		\$508,300
Importance Code C		\$508,300
Total		\$508,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$100,700		\$200	
Total	\$100,700		\$200	
Importance Code A	\$4,600		\$200	
Importance Code B	\$14,500			
Importance Code C	\$81,600			
Total	\$100,700		\$200	



Maintenance \$ are aggregated over a ten-year period. Site 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	Currer	t Repair	Future	Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Years	te 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	* *			
	Loose Elements, E.	xtent : Light, Area Af	fected : 10	0%			
	Location : Both A	Abutments					
	Other Observation	, Extent : Moderate, A	Area Affec	eted : 20%			
	Location : Both A	Abutments					
	Explanation : De	teriorated Joint Mem	brane				
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	* *			
	Cracks, Extent : Li	ght, Area Affected : I	10%				
	Location: Both A	Abutments					
	Efflorescence, Exte	ent : Light, Area Affec	cted : 10%	ó			
	Location : Both A						
Concrete	90%		LIFE	* *			
Δ pproaches	7070						

Approaches

^{**} 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	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	100%		\$25,400	2025	\$508,300	4	\$10,900	
			lerate, Area Affecte	d: 15%				
		n : Through						
	Settlemen	t, Extent : I	ight, Area Affectea	l : 10%				
	Location	n : Random	Locations					
	Other Ob	servation, E	Extent : Light, Area	Affected	: 100%			
	Location	n : Both Ap	proaches					
	Explana	ition : Cons	ists Of 20 Percent .	Asphalt A	And 80 Percent Co	ncrete		
Concrete	100%	4+	\$15,800	2033	* *	4	\$41,600	
	Cracks, E		t, Area Affected : 5				. ,	
		n : Both Ab						
Curbs								
Concrete w/ Steel Face	100%)		LIFE	* *			
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Sidewalks								
Concrete	100%			LIFE	* *			
			t, Area Affected : 5					
		n : Through						
		_	Extent : Light, Area	Affected	: 5%			
	_		st Approach	33				
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	10070							
Not Accessible	100%							
Piles	10070							
Not Accessible	100%							
Deck Elements	100/0	•						
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Concrete w/ Steel Pace			t, Area Affected : 5					
		n : Through		, 0				
	Locuito	Intough						

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

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

DEPARTMENT OF TRANSPORTATION - 841 LONGWOOD AVE. BRIDGE

Bridge Structure	Current Re	epair	Futu	re Replacement	М		
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Mono Deck Surface	400	44. - 00	• • • •		_	** ********	
Concrete	100% 4+	\$11,700	2044	* *	5	\$28,700	
	Cracks, Extent : Light,		0%				
	Location : Random L		= 0.4				
	Spalling, Extent : Ligh		5%				
	Location : Random L	ocations					
Railings/Parapets	1000/	Φ.4. σ00	2022	de de		Φ2 100	
Concrete	100% 4+	\$4,600	2033	* *	4	\$3,100	
	Cracks, Extent : Light,		%				
	Location : North Par	•					
	Other Observation, Ex	_	Affectea	! : 100%			
	Location : Both Sides						
	Explanation : Parape	et Is Concrete Wit	h Corru	=			
Steel	100%		LIFE	* *	2-8	\$4,300	
Sidewalks							
Concrete	100% 4+	\$7,100	2029	* *	5	\$3,900	
	Cracks, Extent: Light,		%				
	Location : Random L	ocations					
Superstructure							
Deck,Structural							
Not Accessible	100%						
Joints							
Generic	100%		LIFE	* *			
Primary Member							
Not Accessible	100%						
Secondary Member							
Not Accessible	100%						

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$38,900	\$1,101,800
Total	\$38,900	\$1,101,800
Importance Code A		\$276,100
Importance Code B		\$276,100
Importance Code C	\$38,900	\$549,500
Total	\$38,900	\$1,101,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$68,000		\$72,100	
Total	\$68,000		\$72,100	
Importance Code A	\$9,300		\$28,300	
Importance Code B	\$8,000		\$27,700	
Importance Code C	\$50,700		\$16,200	
Total	\$68,000		\$72,100	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
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	400-1							
Not Accessible	100%							
Brngs, Ancr Blts, Pads	1000/							
Not Accessible	100%							
Footings	1.000/							
Not Accessible	100%							
Joint with Deck	500 /			LIEE	* *			
Generic	50%	N	ΦΩ ΩΩΩ	LIFE	**			
Generic	50%		\$8,000	LIFE				
	_	_	eal, Extent : Light, A					
Matter	ьосанов	ı . DOIN JOI	nts Damaged, Sunk	en Ana L	эевгіѕ ғ шеа			
Mat (scour & erosion)	1.000/							
Not Accessible	100%							
Pedestals	1.000/							
Not Accessible	100%							
Stem (breastwall)	1.000/							
Not Accessible	100%							
Wingwalls								
Footings	1.000/							
Not Accessible	100%							
Mat (scour & erosion)	1.000/			LIDE	* *			
Earth	100%			LIFE	4. 4.			
Piles	1.000/							
Not Accessible	100%							
Walls	1.000/							
Not Accessible	100%							
Approaches								
Pavement	900/			2025	¢400.500	4	¢12 100	
Asphalt	80%	4	¢10,000	2025	\$400,500	4	\$12,100	
Asphalt	20%	4+ ************************************	\$10,000	2025	\$100,100	4	\$8,100	
			lerate, Area Affecte ated Area More Se		Fast Sida			
			Ioderate, Area Affe utment North Side	eciea : 10	0%			
Concrete	100%	4+	\$38,900	2033	* *	4	\$30,800	
			lerate, Area Affecte	d: 10%				
		ı : Both Ap						
	-		derate, Area Affect	ted : 2%				
	Location	ı: West Ap	proach North Side					
Curbs	400		*.= 0-		a ·			
Concrete w/ Steel Face	100%	4+	\$4,700	LIFE	* *			
		_	t, Area Affected : 1	0%				
		ı : Through		1001				
			ht, Area Affected :		•			
	Location	ı : East Sid	e And West Side Oj	North A	pproach			

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

^{**} 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 l	Repair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches Embankment Not Accessible	100%							
Guide Railing Steel Steel	_	_	\$4,600 stent : Moderate, A proach North Side	LIFE LIFE rea Affec	* * * * rted : 20%	2-8 2-8	\$2,900 \$2,900	
Mat (scour & erosion) Earth	100%			LIFE	* *			
Sidewalks Concrete	Location	: Through	\$4,000 at, Area Affected : I out aht, Area Affected :		* *			
Piers		_	st Sidewalk					
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%							
Deck Elements Curbs	1000/			LIEE	* *			
Concrete w/ Steel Face Railings/Parapets Steel		, Extent : L	ight, Area Affected out	LIFE LIFE 1:10%	**	2-8	\$11,900	
Sidewalks Concrete		xtent : Ligh : Random	t, Area Affected : I Locations	2029	* *	5	\$32,400	
Wearing Surface Concrete	Location Spalling, I	: Random Extent : Lig	\$29,100 it, Area Affected : 5 Locations iht, Area Affected : st Approach		* *	5	\$48,900	

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

^{**} 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

Bridge Structure	Current Repa	ir Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
uperstructure						
Deck,Structural						
Not Accessible	100%					
Joints						
Generic	100% 2-4	\$3,600 LIFE	* *			
	Broken/Missing Elements,	Extent: Moderate, Are	ea Affected : 50%			
	Location : Deteriorated	Filler, Only One Joint	At Span 5.			
Primary Member						
Steel	100%	LIFE	* *	2-8	\$515,800	
	Other Observation, Extens	: Light, Area Affected	: 100%			
	Location : Underside Of	Deck				
	Explanation: Not Acces	sible For Inspection. R	equires Railroad F	Flagman		
Secondary Member						
Steel	100%	LIFE	* *	2-8	\$432,100	
	Other Observation, Extend	: Light, Area Affected	: 100%			
	Location : Underside Of	Bridge				
	Explanation: Not Acces	sible For Inspection. R	equires Railroad F	Flagman		

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$179,100	\$2,146,900
Total	\$179,100	\$2,146,900
Importance Code A		\$794,800
Importance Code B		\$899,700
Importance Code C	\$179,100	\$452,400
Total	\$179,100	\$2,146,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$82,000		\$166,200	
Total	\$82,000		\$166,200	
Importance Code A			\$75,900	
Importance Code B			\$90,200	
Importance Code C	\$82,000			
Total	\$82,000		\$166,200	



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

^{**} 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 R	epair	Futur	e Replacement	M	aintenance	
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals	400							
Concrete	100%			LIFE	* *			
Backwall	1000/			LIEE	* *			
Concrete	100%			LIFE	4. 4.			
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	* *			
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
			tent : Light, Area	Affected	: 100%			
	Location : Explanatio							
Stem (breastwall)								
Concrete	100%			LIFE	* *			
		U	Area Affected: 2					
	Location :	Transvers	e Crack In East A	butment				
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)	1000/				de de			
Generic	100%			LIFE	* *			
			tent : Light, Area					
		_	acent To Wingwa	us Ai Ea	si Aduimeni			
Piles	Explanatio	n : Aspnai	t .					
Not Accessible	100%							
Walls	100%							
Concrete	100%			LIFE	* *			
Approaches	10070			LILE				
Pavement								
Asphalt	100%	4+	\$34,800	2024	\$347,700	4	\$5,100	
Concrete	100%	4+	\$10,800	2032	**	4	\$18,500	
			Area Affected : 2				7-0,500	
	Location:							
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Embankment								
Earth	100%			LIFE	* *			
	Other Obser	vation, Ex	tent : Light, Area	Affected	: 100%			
	Location:							
	Explanatio	n : Earth	Embankment Is O	nly At Th	he West Approach.			
Guide Railing								
Steel	100%			LIFE	* *	2-8	\$6,200	

Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement Base	1000/							
Not Accessible	100%							
Sidewalks	1000/	à	#2.100		* *			
Concrete	100%	4+	\$3,100	LIFE	* *			
		ctent : Lign : Random	t, Area Affected : 2	%				
	Location	: Kanaom						
iers								
Cap Beam	100%			LIFE	* *	20	\$570,000	
Steel		nair Evida	nt, Extent : Light, A			2-8	\$579,000	
	_		u, Extent . Lignt, A itting Throughout, .			inted		
Pier,Columns	Locuiton	. Millor I	illing Throughout,	песениу	Kenabbea Ima I a	inieu		
Steel	100%			LIFE	* *	2-8	\$1,179,800	
Sicci		nlace Evid	ent, Extent : Light,			2-0	φ1,177,000	
	-		ent, Extent . Light, . itting Throughout, .			inted		
Stem, Solid Pier	Locunon		g Imoughout,	y				
Concrete	100%			LIFE	* *			
Brngs, Ancr Blts, Pads	10070			LIIL				
Not Accessible	100%							
Footings	10070							
Not Accessible	100%							
Mat (scour & erosion)	10070							
Earth	100%			LIFE	* *			
Pedestals	100,0							
Not Accessible	100%							
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
	Corrosion,	Extent : L	ight, Area Affected	: 10%				
	Location	: Steel Fac	cing					
Railings/Parapets								
Steel	100%			LIFE	* *	2-8	\$42,300	
Sidewalks								
Concrete	100%	4+	\$33,300	2028	* *	5	\$11,900	
	Cracks, Ex	ctent : Ligh	t, Area Affected : 5	%				
	Location	: Light Ra	ndom Map Crackir	ıg				
Wearing Surface								
Concrete	100%	4+	\$72,300	2032	* *	5	\$104,700	
		_	t, Area Affected : 2	2%				
		: Random						
			ht, Area Affected :	2%				
	Location	: Span 1 V	Westbound Lane					
uperstructure								
Deck,Structural								
Concrete	100%	_		LIFE	* *	5	\$54,500	
			t : Light, Area Affec					
	Location	: Light Ra	ndom Cracks With	Efflores	cence			

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

Bridge Structure	Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
uperstructure							
Joints							
Generic	100% 0-2	\$106,900	LIFE	* *			
	Misaligned/Bulging,	Extent : Moderate,	Area Aff	ected : 30%			
	Location : Numerou	ıs Joint Fillers Are	Bulging	And Failed			
Primary Member							
Steel	100%		LIFE	* *	2-8	\$915,100	
	Recent Repair Evider	nt, Extent : Light, A	rea Affe	cted : 100%			
	Location: Minor Pa	itting Throughout,	Recently	Rehabbed And Pa	inted		
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$766,600	
	Recent Repair Evider	nt, Extent : Light, A	rea Affe	cted : 100%			
	Location: Minor Pa	itting Throughout,	Recently	Rehabbed And Pa	inted		

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$28,856,400	\$6,907,500
Total	\$28,856,400	\$6,907,500
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
Total	\$28,856,400	\$6,907,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$19,800		\$560,400	\$73,700
Total	\$19,800		\$560,400	\$73,700
Importance Code A	\$16,000		\$256,100	\$55,400
Importance Code B	\$3,800		\$304,300	
Importance Code C				\$18,200
Total	\$19,800		\$560,400	\$73,700



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 Replac	cement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estima FY	ted Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments						
Bridge Seat&pedestals						
Concrete	100%	LIFE	* *			
Steel	100%	LIFE	* *			
	Other Observation, Extent : Moderate, Location : End Abutment	Area Affected : 10	00%			
	Explanation : Framed Into Girder At	End Abutment				
Backwall						
Concrete	100%	LIFE	* *			
Brngs, Ancr Blts, Pads						
Steel	100% 4+ \$16,000	LIFE	* *			
	Corrosion, Extent : Light, Area Affected	d:5%				
	Location: At The Begin Abutment.					
Footings						
Not Accessible	100%					
Joint with Deck						
Generic	100%	LIFE	* *			
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
Pedestals						
Concrete	100%	LIFE	* *			
	Other Observation, Extent: Moderate,		00%			
	Location: Begin Abutment	55				
	Explanation : Concrete Pedestals At I	Begin Abutment				
Stem (breastwall)		8				
Concrete	100%	LIFE	* *			
Wingwalls						
Footings						
Not Accessible	100%					
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
Walls	10070					
Concrete	100%	LIFE	* *			
Approaches	10070	<u> </u>				
Pavement						
Concrete	100%	2032	* *	4	\$36,500	
Curbs	10070	2002			Ψ20,200	
Concrete	100%	LIFE	* *			
Pavement Base	100/0	LILL				
Not Accessible	100%					
Piers	100/0					
Cap Beam						
Cap Beam Concrete	100%	LIFE	* *			
Concrete	10070	LILE				

Maintenance \$ are aggregated over a ten-year period. Site 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 R	lepair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers	•	•					
Pier,Columns Concrete Encased Steel	99% 4+ Cracks, Extent: Mode Location: Random 1			* *	5	\$21,900	
Concrete Encased Steel	1% 4+ Cracks, Extent: Light Location: Crack An	t, Area Affected : 5%	LIFE	* *	5	\$21,900	
Stool	100%	a Fossible Detamir	LIFE	* *	2-8		
Steel Stem,Solid Pier	100%		LIFE		2-8	\$1,487,500	
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 Concrete	98% 2% Corrosion, Extent : Li	0		* *	5 5	\$279,900 \$279,900	
T	Location : Corrosion	n To S.I.P. Forms I	n Severa	al Random Bays			
Joints Generic	100% 4+ Leakage, Extent: Mod Location: At Inside Missing/Damaged Sec Location: Over Sev. Rust Stains, Extent: M Location: At Inner	Face Of Fascia Gi al, Extent : Moderat eral Piers And Abud Moderate, Area Affe	rders Be te, Area tment ected : 5	elow Deck Joints Affected : 50%			
Primary Member Steel	100% 4+	\$26,827,900	LIFE	* *	2-8	\$4,701,600	
	Corrosion, Extent: M Location: Girders, Loss of Section, Exten Location: Localized Deck Joints Other Observation, E. Location: Througho Explanation: Fadeo	Floor Beams, Web . It : Moderate, Area I Areas At Connecti extent : Light, Area A out Superstructure S	And Fla Affected on Of G Affected Steel	nges At Deck Join d : 2% Eirders To Floor Be : 75%	eams Par	ticularly Below	

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

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

DEPARTMENT OF TRANSPORTATION - 841 MILLER HIGHWAY BRIDGE MILLER HIGHWAY/TERRAIN

Bridge Structure	Current Repair	Future Replaceme	nt	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated (FY		Cycle (Yrs)	Estimated Cost	Priority
Superstructure						
Secondary Member						
Steel	100% 4+ \$925,8	300 LIFE	* *	2-8	\$3,938,500	
	Loss of Section, Extent : Moderate	, Area Affected : 2%				
	Location: Web Stiffeners Of Gird	ders And Floor Beams And	Steel B	rackets	r	
	Other Observation, Extent: Light,	Area Affected : 2%				
	Location : At Underside Of Deck	At Drainage Pipes Locatio	n			
	Explanation : Few Missing Drain	n Pipe Tie Rods And Hange	rs But I	Vot In I	Danger Of Falling	

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

Area Sq Ft : 51,200 Project Type : HIGHWAY BRIDGES

Date of Survey : 20-Nov-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2230510

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$54,000	\$1,779,800
Total	\$54,000	\$1,779,800
Importance Code A	\$54,000	\$1,273,600
Importance Code B		\$506,300
Total	\$54,000	\$1,779,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$55,900		\$169,700	
Total	\$55,900		\$169,700	
Importance Code A	\$30,900		\$117,500	
Importance Code B	\$12,500		\$52,300	
Importance Code C	\$12,500			
Total	\$55,900		\$169,700	



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

^{**} 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 Replacer	nent	М	aintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estimated FY	l Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments						
Bridge Seat&pedestals	1000/	, , , , , , , , , , , , , , , , , , ,				
Concrete	100%	LIFE	* *			
Backwall	0.50/	LIDE	* *			
Concrete	95%	LIFE	* *			
	Other Observation, Extent : Light, Are	ea Affectea : 15%				
	Location: Both Fascias	1.				
	Explanation: Brick Facing 5 Ft Wid		-11-			
Concrete	5% 4+ \$8,000		* *			
	Cracks, Extent: Light, Area Affected.	: 10%				
	Location : At North Abutment					
Brngs,Ancr Blts,Pads	1000/	LIEE	* *			
Steel	100%	LIFE	* *			
Footings	1000/					
Not Accessible	100%					
Joint with Deck	1000		de de			
Generic	100%	LIFE	* *			
Mat (scour & erosion)	400-					
Generic	100%	LIFE	* *			
	Other Observation, Extent : Light, Are	ea Affected : 50%				
	Location: Begin Abutment					
	Explanation: Stone Pavers					
Pedestals	1000		* *			
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Moderate	, Area Affected : 50%				
	Location: At North Abutment Only					
G. (1)	Explanation : Steel Bolster Bolted T	o Front Face Abutmen	t			
Stem (breastwall)	50/ A 010 500	LIDE	* *			
Concrete	5% 4+ \$12,500		* *			
	Cracks, Extent : Light, Area Affected . Location : Throughout	1%				
	9	A.CC1 . 100/				
	Other Observation, Extent: Light, Arc					
	Location: North And South Abutmer	nus				
	Explanation : Brick Facade	X X X X X X X X X X X X X X X X X X X	-11-			
Concrete	95%	LIFE	* *			
Wingwalls						
Footings	1000/					
Not Accessible	100%					
Mat (scour & erosion)	1000/	LIEE	* *			
Earth	100%	LIFE	٠٠ ٦٠			
Piles	1000/					
Not Accessible	100%					
Walls	1000/	LIDE	* *			
Concrete	100% Other Observation Extent : Light Ar	LIFE	-1- T			
	Other Observation, Extent : Light, Are Location : At North And South Abut					
		ments				
Annroaches	Explanation: Brick Facade					

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.

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

^{**} 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 F	Repair	Future	Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches	Į.			<u> </u>				
Pavement								
Asphalt	100%			2029	* *	4	\$13,500	
Concrete	100%			2038	* *	4		
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)								
Èarth	100%			LIFE	* *			
Median								
Concrete	100%			LIFE	* *			
Railings/Parapets								
Concrete	100%			2038	* *			
Steel	100%			LIFE	* *			
iers								
Cap Beam								
Steel	95%			LIFE	* *	2-8	\$171,600	
Steel	5%	4+	\$2,300	LIFE	* *	2-8	\$171,600	
			Light, Area Affecte				7-7-7-0	
	Location		0 , 33					
Pier, Columns								
Steel	100%			LIFE	* *	2-8	\$42,700	
Brngs,Ancr Blts,Pads	10070						ψ· Ξ ,700	
Generic	100%			LIFE	* *			
Footings	10070							
Not Accessible	100%							
Mat (scour & erosion)	10070							
Generic	100%			LIFE	* *			
Generic		ervation E	xtent : Light, Area		100%			
		: Through		125500000	10070			
		_	alt, Pavers And Co	ncrete				
Piles	Expiana	ion : Hspin	iii, 1 avers iiia ee	riereie				
Not Accessible	100%							
Deck Elements	10070							
Median								
Concrete	100%			LIFE	* *	5	\$5,100	
Mono Deck Surface	100/0			<u> </u>			Ψ3,100	
Concrete	100%			2051	* *	5		
Railings/Parapets	100/0			2001				
Concrete	100%			2038	* *	4		
Steel	100%			LIFE	* *	2-8	\$29,000	
Scupper	100/0			LIIL		20	Ψ27,000	
Cast Iron	100%			LIFE	* *			
Cast HUII		ervation F	xtent : Light, Area					
		: Through		пусски.	100/0			
		_	Of 12 Scuppers					
	Елриана	ion . Total	OJ 12 Scuppers					

Superstructure

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

ridge Structure	Current Re	pair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Fail Date F Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
perstructure							
Deck,Structural							
Concrete	90%		LIFE	* *	5	\$56,300	
	Other Observation, Ext	ent : Light, Area	Affected	: 40%			
	Location : Fascias An	d Utility Bay					
	Explanation : Metal L	Deck Forms					
Concrete	10% 4+	\$28,600	LIFE	* *	5	\$56,300	
	Cracks, Extent : Light, 1	Area Affected : 2	%				
	Location : Overhangs			ng Construction Jo	oints		
Joints							
Generic	100%		LIFE	* *			
	Other Observation, Ext	ent : Light, Area	Affected	: 100%			
	Location : Throughou	t					
	Explanation : Armorle	ess Joint					
Primary Member							
Steel	99%		LIFE	* *	2-8	\$945,600	
Steel	1% 4+	\$54,000	LIFE	* *	2-8	\$945,600	
	Corrosion, Extent: Mod	derate, Area Affe	cted : 20	0%			
	Location : At Ends Of						
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$792,100	

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,228,800	\$2,162,300
Total	\$1,228,800	\$2,162,300
Importance Code A	\$774,100	\$1,618,800
Importance Code B	\$330,400	
Importance Code C	\$124,200	\$543,500
Total	\$1,228,800	\$2,162,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$109,100		\$1,200	
Total	\$109,100		\$1,200	
Importance Code A			\$1,200	
Importance Code B	\$21,200			
Importance Code C	\$87,800			
Total	\$109,100		\$1,200	



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

^{**} 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 R	epair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments							
Footings							
Not Accessible	100%						
Mat (scour & erosion)	1000/		LIEE	* *			
Earth	100%		LIFE	-11-			
Stem (breastwall)	10/ 4:	\$21,200	LIDE	* *			
Concrete	1% 4+ Cracks, Extent: Light	\$21,200	LIFE	the str			
	Location: Random I		070				
	Efflorescence, Extent		atad - 300	<u> </u>			
	Location: Random I		.iea . 50%	9			
	Spalling, Extent: Ligh		15%				
	Location: Random I		1370				
		<u> </u>	LIPE	* *			
Concrete	99%		LIFE	-11-			
Vingwalls							
Footings Not Accessible	100%						
	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Piles	10070		LITE				
Not Accessible	100%						
Walls	10070						
Concrete	15% 4+	\$28,800	LIFE	* *			
Concrete	Cracks, Extent : Light						
	Location : Througho						
	Efflorescence, Extent		cted : 30%	ó			
	Location : Random I						
	Vegetation Growth, E.	xtent : Light, Area	Affected	: 5%			
	Location : East Abus	_	33				
Concrete	85%		LIFE	* *			
eature Crossed							
Bank Protection							
Generic	100%		LIFE	* *			
Mat (scour & erosion)							
Generic	100%		LIFE	* *			
pproaches							
Pavement							
Asphalt	100% 4+	\$21,200	2025	\$424,300	4	\$9,800	
	Settlement, Extent: M		ected : 20	%			
	Location: Both App						
	Other Observation, Ex	ctent : Light, Area	Affected	: 100%			
	Location: West App						
	Explanation: Paven	ent Consists Of 5	0 Percent	Asphalt And 50 P	Percent C	oncrete	
Concrete	100% 4+	\$13,800	2033	* *	4	\$39,000	
	Cracks, Extent: Mode		ed: 10%				
	Location : West App	roach					
Curbs							
Concrete w/ Steel Fac	ee 100%		LIFE	* *			

Maintenance \$ are aggregated over a ten-year period. Site 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	C	Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Embankment	1000/			LIDD	* *			
Earth Guide Railing	100%			LIFE				
Steel	100%			LIFE	* *	2-8	\$5,700	
	Corrosion, E		ight, Area Affected roach North Side			2 0	φ2,700	
Mat (scour & erosion)	1000/			LICE	ታ ታ			
Earth	100%			LIFE	* *			
Sidewalks Concrete	100% Cracks, Exter Location :	_	\$4,500 t, Area Affected : I Locations	LIFE	* *			
Piers								
Stem,Solid Pier Concrete	2%	4+	\$330,400 t, Area Affected : 7	LIFE	* *			
	Location:	Througho e, Extent	out : Moderate, Area A		: 100%			
Concrete	98%			LIFE	* *			
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	100%			LIFE	* *			
Piles Not Accessible	100%							
Deck Elements								
Curbs Concrete w/ Steel Face	100% Recent Repair Location:		t, Extent : Light, A	LIFE rea Affe	* * cted : 100%			
Railings/Parapets								
Steel	Location : A Other Observation : A	Random vation, E. Througho	xtent : Light, Area	Affected	* * ! : 100%	2-8	\$28,900	
Sidewalks	T			T				
Concrete	Location:	Random tent : Ligi	ht, Area Affected :		* *	5	\$11,600	

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

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

DEPARTMENT OF TRANSPORTATION - 841 NEREID AVENUE (2241880)

Bridge Structure	Current Repair	Future Repla	cement	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estima	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Wearing Surface						
Concrete	100% 4+ \$124,2	200 2033	* *	5	\$119,200	
	Cracks, Extent : Light, Area Affect	ted : 5%				
	Location : Random Locations					
	Spalling, Extent : Light, Area Affec	cted : 5%				
	Location: Random Locations					
Superstructure						
Primary Member						
Concrete	10% 4+ \$774,		* *	5	\$809,400	
	Cracks, Extent : Moderate, Area A	00				
	Location : Underside Of The Arc					
	Efflorescence, Extent : Light, Area	55				
	Location : Underside Of The Arc	ch Barrels				
	Leakage, Extent : Light, Area Affe	cted : 80%				
	Location : Random Locations At	The Arch Barrels				
	Recent Replace Evident, Extent : L	ight, Area Affected : ٤	80%			
	Location : Throughout					
	Other Observation, Extent: Mode	rate, Area Affected : 8	0%			
	Location : Underside Of The Arc	ch Barrels				
	Explanation : Deteriorated Surfa	ice With Steel Mesh In	stalled			
Concrete	90%	LIFE	* *	5	\$809,400	

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$526,900	\$644,600
Total	\$526,900	\$644,600
Importance Code A		\$88,600
Importance Code B	\$202,700	\$88,600
Importance Code C	\$324,300	\$467,400
Total	\$526,900	\$644,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$33,500		\$18,200	
Total	\$33,500		\$18,200	
Importance Code A	\$14,000		\$9,200	
Importance Code B			\$8,900	
Importance Code C	\$19,500		\$200	
Total	\$33,500		\$18,200	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (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	1000/		20.44	* *			
Elastomeric	100%		2044	* *			
Footings	1000/						
Not Accessible	100%						
Joint with Deck	100%		LIFE	* *			
Generic	100%		LIFE				
Pedestals Concrete	100%		LIFE	* *			
Stem (breastwall)	10070		LIII				
Concrete	50% 4+ Cracks, Extent : Mod Location : Begin Al		LIFE d : 50%	* *			
Concrete	50% 4+ Cracks, Extent: Light Location: End Abu	\$33,800 nt, Area Affected : 2	LIFE	* *			
Wingwalls							
Footings Not Accessible	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Piles Not Accessible	100%						
Walls							
Concrete	100% 4+ Cracking/Crumbling Location: Crackin, Other Observation, I Location: Begin A Explanation: Wing	g/ Crumbling Of M Extent : Light, Area nd End Wingwalls	ortar Thi Affected	roughout Walls : 100%			
Approaches							
Pavement							
Asphalt	100% 4+ Cracks, Extent : Ligh Location : Both Ap	proaches		\$467,400	4	\$10,800	
	Other Observation, E Location : Both Ap	proaches					
~	Explanation: Cons						
Concrete	100% 4+ Spalling, Extent : Lig Location : All Appr		2033 2%	* *	4	\$5,100	

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

^{**} 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 F	Repair	Futur	e Replacement	M	aintenance	
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		4+ ;, Extent : L a : Both App	\$5,500 ight, Area Affected proaches	LIFE : 5%	**			
Embankment								_
Earth	100%			LIFE	* *			
Guide Railing								
Steel	_	4+ Railing, Ex a : Begin Al	\$8,500 tent : Moderate, Ar putment	LIFE rea Affec	* * ted : 5%	2-8	\$5,800	
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Sidewalks								
Concrete	Location Settlement	: Both App	ight, Area Affected		* *			
Piers	2000000		, routeries					
Cap Beam Concrete	100%			LIFE	* *			
Pier, Columns								
Concrete	Location	: All Colu	Extent : Light, Area mns Columns Are Concr					
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			\$5,500 t, Area Affected : 5 Locations Through		* *	5	\$14,300	

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

^{**} 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

Current R	epair	Futur	e Replacement	M	aintenance	
% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
				2-8	\$3,800	
Other Observation, Ex	ctent : Light, Area	Affected	: 100%			
Location: North And	d South Sides					
Explanation: Chain	Link Fence Behin	d Steel B	ridge Railing			
100%		2029	* *	5	\$400	
100%		LIFE	* *			
100%		LIFE	* *	5	\$9,900	
	=	Affected	: 100%			
Explanation : Botton	n Covered With St	av In Pla	ice Forms			
1		<u>, , , , , , , , , , , , , , , , , , , </u>				
100%		LIFE	* *			
100%		LIFE	* *	2-8	\$165,500	
					•	
100%		LIFE	* *	2-8	\$138,600	
	% of Fail Date Total (Years) 100% Other Observation, Ex Location: North An Explanation: Chain 100% 100% 100% Other Observation, Ex Location: Entire De Explanation: Botton 100% 100%	Total (Years) 100% Other Observation, Extent: Light, Area Location: North And South Sides Explanation: Chain Link Fence Behind 100% 100% 100% Other Observation, Extent: Light, Area Location: Entire Deck Explanation: Bottom Covered With States 100% 100%	% of Fail Date Estimated Cost Total (Years) 100% LIFE Other Observation, Extent: Light, Area Affected Location: North And South Sides Explanation: Chain Link Fence Behind Steel B 100% 2029 100% LIFE 100% LIFE Other Observation, Extent: Light, Area Affected Location: Entire Deck Explanation: Bottom Covered With Stay In Planation 100% LIFE 100% LIFE	% of Fail Date Estimated Cost Total (Years) LIFE ** Other Observation, Extent: Light, Area Affected: 100% Location: North And South Sides Explanation: Chain Link Fence Behind Steel Bridge Railing 100% LIFE ** 100% LIFE **	Note Fail Date Estimated Cost Year Estimated Cost Cycle (Yrs)	Year Estimated Cost Year Estimated Cost Cycle (Yrs)

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$24,872,600	\$2,728,700
Total	\$24,872,600	\$2,728,700
Importance Code A	\$22,195,000	\$332,800
Importance Code B	\$861,400	
Importance Code C	\$1,816,200	\$2,395,900
Total	\$24,872,600	\$2,728,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$52,900	\$4,900	\$32,900	\$15,400
Total	\$52,900	\$4,900	\$32,900	\$15,400
Importance Code A	\$19,300		\$8,400	
Importance Code B	\$32,200		\$200	
Importance Code C	\$1,300	\$4,900	\$24,300	\$15,400
Total	\$52,900	\$4,900	\$32,900	\$15,400



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

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

Bridge Structure		Current	Repair	Futur	e Replacement	М	aintenance	
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		4+ Extent : Mo a : Random	\$970,700 derate, Area Affect	LIFE ed : 20%	* *			
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE	* *			
Stem (breastwall)	10070			LIFE				
Concrete	100%	2-4	\$861,400	LIFE	* *			
	Location Effloresce Location Spalling, I Location	n : Random nce, Extent n : Random	: Light, Area Affec	eted : 10%				
Masonry: Sandstone	Location Effloresce Location Leakage, L Location Other Obs	n : South Er nce, Extent n : Random Extent : Lig n : South Er	: Light, Area Affec ht, Area Affected : nd Extent : Light, Area	eted : 10%				
Masonry: Sandstone	80%			LIFE	* *			
Wingwalls Footings Not Accessible	100%							
Mat (scour & erosion) Generic	100%			LIFE	* *			
Piles Not Accessible	100%							

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

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

Asset #: 2512

Bridge Structure	Current Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Wingwalls Walls						
Concrete	100% 4+ \$845,500 Cracks, Extent : Moderate, Area Affect Location : Random	LIFE red: 20%	* *			
	Damaged Railing, Extent: Light, Area Location: Deformed Steel Railing On	n Top Of V	Vingwall			
	Spalling, Extent : Moderate, Area Affect Location : Random					
	Other Observation, Extent: Light, Area Location: Random Explanation: Uneven Patching	a Affected	: 15%			
Granite	90% Cracks, Extent : Severe, Area Affected	LIFE : 30%	* *			
	Location : Random Efflorescence, Extent : Moderate, Area Location : South End	Affected .	20%			
Granite	10% Other Observation, Extent: Light, Area Location: Top Of Wingwalls Explanation: Ornamental Granite Po					
Approaches Pavement	•	-				
Asphalt	100% Settlement, Extent : Light, Area Affecte Location : Random	2024 d : 10%	\$1,872,200	4	\$30,900	
Curbs						
Concrete	100%	LIFE	* *			
Concrete w/ Steel Face	100%	LIFE	* *			
Granite	100% Settlement, Extent : Moderate, Area Af Location : Random	LIFE fected : 20	**			
	Spalling, Extent: Moderate, Area Affect Location: Random	cted : 20%	ć			
Guide Railing Steel	100%	LIFE	* *	2-8	\$81,300	
Pavement Base Not Accessible	100%					
Sidewalks						
Concrete	95%	LIFE	* *			
Concrete	5% 4+ \$300 Cracks, Extent: Light, Area Affected: Location: Random	LIFE 10%	* *			
Deck Elements	Location . Kanaom					

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

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

Asset #: 2512

ridge Structure		Current l	Repair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Granite	95%			LIFE	* *			
Granite	5%	4+	\$16,800	LIFE	* *			
		_	nents, Extent : Ligh	t, Area A	ffected : 5%			
		n : Random		1 00/				
			ight, Area Affected	!: 8%				
G .:	Location	ı : Random						
Gratings Steel	1000/			LIDE	* *			
	100%			LIFE				
Median Concrete	95%			LIFE	* *	5	\$31,600	
Concrete			Extent : Light, Area			3	\$31,000	
	_		Of Median Curb	Пусстеи	. 1070			
			Extent : Light, Area	Affected	. 75%			
		n : Through		Пусстей	. 7370			
			s And Plants Are Pi	laced On	The Median			
Concrete	5%		\$2,500	LIFE	* *	5	\$31,600	
Concrete			t, Area Affected : 8			3	φ51,000	
		ı : Random	a, mea nyjeetea . e	., 0				
Steel	100%			LIFE	* *	4-8		
Railings/Parapets	10070			DII D		10		
Granite	95%			LIFE	* *			
Granite	5%		\$130,000	LIFE	* *			
			Extent : Light, Area		: 100%			
	Location	n : Southeas	st Corner Of Struct	ure				
	Explana	tion : Chai	n-link Fence Placed	d In Fron	nt Of Failed Parape	et		
Steel	100%			LIFE	* *	2-8	\$59,200	
Sidewalks								
Concrete	100%			2028	* *	5	\$9,800	
Granite Paver	100%			LIFE	* *			
	Other Ob	servation, E	Extent : Light, Area	Affected	: 100%			
	Location	n : North Fo	ascia					
	Explana	tion : Pave	r Sidewalk At Norti	h Fascia				
Wearing Surface								
Asphalt	90%			2024	\$471,300	5	\$48,600	
Asphalt	10%		\$1,000	2024	\$52,400	5	\$24,300	
			t, Area Affected : 1	0%				
		n : Intersect		1 1007				
			ight, Area Affected	!: 10%				
nerstructure	ьосано	ı : Random						

Superstructure

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

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

Bridge Structure	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Superstructure				
Deck,Structural				
Concrete	100% 4+ \$3,025,400	LIFE **	5 \$39,800	
	Exposed Reinforcement, Extent : Mode Location : Random	rate, Area Affected : 15%		
	Spalling, Extent : Severe, Area Affected	! : 40%		
	Location : Throughout			
	Other Observation, Extent : Light, Area	ı Affected : 100%		
	Location : Throughout			
	Explanation: Under Deck Steel Corre Steel Corrugate.	ugate Is Used. There Are 5%	% Of Corrosion On The	
Primary Member				
Concrete	100%	LIFE **	5 \$149,000	
Steel	100% 4+ \$19,039,600	LIFE **	2-8 \$78,000	
	Corrosion, Extent : Moderate, Area Afj	ected : 25%		
	Location : Random			
Secondary Member				
Steel	100% 4+ \$16,200	LIFE **	2-8 \$2,900	
	Loss of Section, Extent : Severe, Area A	ffected : 40%	. ,	
	Location : Random			

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$101,500	
Total	\$101,500	
Importance Code A	\$58,600	
Importance Code C	\$42,900	
Total	\$101,500	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$50,300	\$900	\$5,000	\$3,700
Total	\$50,300	\$900	\$5,000	\$3,700
Importance Code A	\$44,500		\$2,800	
Importance Code B			\$2,200	
Importance Code C	\$5,800	\$900		\$3,700
Total	\$50,300	\$900	\$5,000	\$3,700



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

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

Asset #: 2918

Bridge Structure	C	Current Repair		Future Replacement		Maintenance		
System Component Type		ail 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	1000/	4	Φ.C. 400	T TEE	* *			
Steel	100%	4+	\$6,400	LIFE	* *			
	Corrosion, E Location : I		ght, Area Affected	: 15%				
Eastings	Location . I	easi Siae	Беанну					
Footings Not Accessible	100%							
Joint with Deck	10070							
Generic	100%			LIFE	* *			
Mat (scour & erosion)	10070			LII L				
Earth	100%			LIFE	* *			
Pedestals	10070							
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$4,300	LIFE	* *			
			ht, Area Affected :					
	Location:	East Side	Pedestal					
Stem (breastwall)								
Concrete	100%			LIFE	* *			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Piles	1000/							
Not Accessible	100%							
Walls	1000/			LIDE	* *			
Concrete	100%	vation E	xtent : Light, Area	LIFE				
			xieni . Ligni, Area . out The Abutment	Ајјестеи	. 100%			
		_	Brick Veneer					
Approaches	Expianation	. , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	stick teller					
Pavement								
Concrete	100%			2034	* *	4	\$2,700	
Curbs							•	
Granite	100%	4+	\$1,200	LIFE	* *			
	Broken/Miss	ing Elem	ents, Extent : Light	, Area A	ffected : 5%			
			rtar Between Gran		s			
			, Area Affected : 1					
	Location : I	Random .	Locations Through	out				
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)								
Earth	100%			LIFE	* *			

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

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

Bridge Structure	Current F	Current Repair			М	aintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches								
Railings/Parapets								
Steel	100% 4+	\$1,200	LIFE	* *				
	Corrosion, Extent : L Location : At Parap		: 5%					
Piers	<u> </u>	0. 2000						
Cap Beam								
Steel	100%		LIFE	* *	2-8	\$8,200		
Pier, Columns								
Steel	100%		LIFE	* *	2-8	\$11,400		
Stem,Solid Pier								
Brick Veneer	100%		LIFE	* *				
Concrete	100%		LIFE	* *				
	Other Observation, Extent : Light, Area Affected : 100%							
	Location: At Solid	Pier						
	Explanation: With	Brick Veneer						
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	* *				
	Other Observation, Extent: Light, Area Affected: 100%							
	Location : At Solid Concrete Pier With Brick Veneer							
	Explanation: 4 Con	crete Pedestals						
Deck Elements								
Curbs	000/		2045	* *				
Concrete	90%	¢21.000	2045	* *				
Concrete	10% 0-2	\$21,900	2045					
	Other Observation, Extent: Moderate, Area Affected: 25%							
	Location : Adjacent To Abutment Explanation : Broken Anchor Bolt At Base Of Lightpole (1 Out Of 4)							
Mono Deck Surface	Ехрининон : Бгоке	n Anchor Doll Al I	ouse Of I	ықтроге (1 Ош О	<i>j 4)</i>			
Concrete	70%		2045	* *	5	\$7,400		
Concrete	30% 4+	\$5,800	2045	* *	5	\$3,700		
Concrete					3	φ3,700		
	Cracks, Extent : Light, Area Affected : 10% Location : Random Locations Throughout							

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

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

Bridge Structure	Current F	Futur	e Replacement	М	aintenance				
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Deck Elements									
Railings/Parapets									
Steel	90% 4+	\$4,500	LIFE	* *	2-8	\$8,500			
	Corrosion, Extent : L Location : At Base (0	: 5%						
Steel	10% 0-2 Broken/Missing Elem Location : 2nd Ram	p And 3rd Ramp F	rom Top	-	2-8	\$8,500			
	Other Observation, E								
	Location: 2nd Ram	-	-						
	Explanation : Corro By Fillet Welds.	oded, Broken Railir	ig And M	lissing Connection	Bolts, A	nd/or Replaced			
Scupper									
Cast Iron	100% 2-4	\$42,900	LIFE	**					
	Drains Clogged, Extent: Moderate, Area Affected: 50%								
	Location: All Drains Throughout The Deck								
	Other Observation, Extent: Light, Area Affected: 100%								
	Location: Throughout The Deck								
	Explanation : Total	Of 9 Drains							
uperstructure Deck,Structural									
Concrete	70%		LIFE	* *	5	\$2,000			
Concrete	30% 4+	\$58,600	LIFE	* *	5	\$2,000			
	Cracks, Extent: Light, Area Affected: 10%								
	Location: Random Locations Throughout								
	Efflorescence, Extent : Light, Area Affected : 10%								
	Location: Random Locations Throughout								
	Spalling, Extent: Light, Area Affected: 10%								
	Location: Random Locations Throughout								
	Other Observation, Extent : Light, Area Affected : 2%								
	Location: Near Top Joint Along 147 Street Main Bridge								
	Explanation : Unde With Bolted Steel P	rside Of Deck Spal		=	rs Cover	ed By Steel Mesh			
Joints									
Generic	100%		LIFE	* *					
Primary Member									
Steel	100%		LIFE	* *	2-8	\$33,300			
Secondary Member									
Steel	100%		LIFE	* *	2-8	\$27,900			

Maintenance \$ are aggregated over a ten-year 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
Total	\$56,500	\$900	\$5,300	\$3,700
Importance Code A	\$33,500		\$2,700	
Importance Code B	\$17,200		\$2,700	
Importance Code C	\$5,800	\$900		\$3,700
Total	\$56,500	\$900	\$5,300	\$3,700



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

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

Asset #: 2919

Bridge Structure	Current Repair	Futur	Future Replacement		Maintenance			
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Abutments								
Bridge Seat&pedestals								
Concrete	90%	LIFE	* *					
Concrete	10% 4+ \$3,600		* *					
	Cracks, Extent : Light, Area Affected							
	Location: Random Locations Thro	-						
	Spalling, Extent : Light, Area Affecte	d : 2%						
	Location : Begin Abutment							
Backwall								
Concrete	80%	LIFE	* *					
Concrete	20% 4+ \$1,300		* *					
	Cracks, Extent: Light, Area Affected: 10%							
	Location: Begin Abutment							
Brngs,Ancr Blts,Pads	500/		a. •					
Steel	50%	LIFE	* *					
Steel	50% 4+ \$6,400		* *					
	Corrosion, Extent : Light, Area Affec Location : South Abutment	ted : 30%						
	Location : South Abutment							
Footings	1000/							
Not Accessible	100%							
Joint with Deck	1000/	LIPE	* *					
Generic	100%	LIFE	* *					
Mat (scour & erosion)	1000/	LIEE	* *					
Earth	100%	LIFE	* *					
Pedestals	1000/	LIEE	* *					
Concrete	100%	LIFE						
Stem (breastwall) Concrete	100%	LIFE	* *					
Concrete								
	Other Observation, Extent : Light, Area Affected : 100% Location :							
	Explanation : With Brick Veneer							
Wingwalls	Explanation . With Brick vehicle							
Footings								
Not Accessible	100%							
Mat (scour & erosion)	10070							
Earth	100%	LIFE	* *					
Piles	10070							
Not Accessible	100%							
Walls								
Concrete	100%	LIFE	* *					
	Other Observation, Extent : Light, Ar		: 100%					
	Location: Begin Abutment							
	Explanation : With Brick Veneer Ar	nd Three We	ep Holes On Each	Wall				
Approaches	•							
Pavement								
Concrete	100%	2034	* *	4	\$2,700			

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

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

Asset #: 2919

ridge Structure	Current Repair Future Replac			e Replacement	acement Maintenance		
stem Component Type		Date Estimated Corears)	st Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
proaches							
Curbs							
Granite	100%		LIFE	* *			
		: Light, Area Affected					
M / / 0 :)	Location : Ro	undom Locations Throi	ugnout				
Mat (scour & erosion) Earth	100%		LIFE	* *			
	100%		LIFE				
Railings/Parapets Steel	100%		LIFE	* *			
Sieci		g Elements, Extent : Li					
		issing Bolts At One Of	-		Panels	Near The	
	Northwest Co		The reonn	cenons of Ranna	1 ancis i	vear The	
	Corrosion, Ext	ent : Light, Area Affec	ted : 2%				
	Location : Re	andom Locations Thro	ughout				
ers							
Cap Beam							
Steel	100%		LIFE	* *	2-8	\$8,200	
Pier, Columns							
Steel	65%		LIFE	* *	2-8	\$11,400	
Steel		-4 \$2,800		* *	2-8	\$11,400	
	Corrosion, Extent : Moderate, Area Affected : 2%						
	Location : Bo	ise Of Center Pier					
Stem,Solid Pier							
Brick Veneer	100%		LIFE	* *			
Concrete	100%		LIFE	* *			
		tion, Extent : Light, Ar	rea Affected	: 100%			
	Location: South End Pier						
	Explanation	Concrete With Brick	Veneer				
Brngs,Ancr Blts,Pads	0.0-4				• •		
Steel	90%	4 44 50	LIFE	* *	2-8	\$1,400	
Steel		-4 \$11,500		* *	2-8	\$1,400	
		ent : Moderate, Area A		%			
-	Location : At	Pier With Brick Venee	er				
Footings	1,000/						
Not Accessible	100%						
Mat (scour & erosion)	1000/		I IDD	* *			
Earth	100%		LIFE	-1- Tr			
Pedestals	50%		LIFE	* *			
Concrete		tion Frient · Light A:					
	Other Observation, Extent : Light, Area Affected : 100% Location : Bottom Of Column						
		rtom Of Cotumn Pedestal At Bottom C	of The Pier (Column			
Comorata				**			
Concrete		+ \$14,400 : Light, Area Affected		* *			
	Location : So		. 10/0				
		uin Ena Fier at : Light, Area Affecte	d · 100/.				
	Location : So		u . 1070				

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.

Asset #: 2919

Bridge Structure	Current Repair	Future F	Future Replacement		Maintenance				
ystem Component Type	% of Fail Date Estim Total (Years)	ated Cost Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
eck Elements									
Curbs									
Concrete	99%	2045	* *						
Concrete	1% 4+	\$5,500 2045	* *						
	Cracks, Extent: Light, Area								
M D 1 C C	Location: Random Location	ons Inrougnout							
Mono Deck Surface	85%	2045	* *	5	\$7.400				
Concrete	85% Recent Replace Evident, Ext			3	\$7,400				
	Location: Random Location	-	ea . 570						
Compando	15% 4+		* *	5	\$2.700				
Concrete	15% 4+ Cracks, Extent : Light, Area	\$2,300 2045	4-4-	3	\$3,700				
	Location : Throughout	Affecteu : 10/0							
Railings/Parapets	Locuion . Imougnoui								
Steel	100%	LIFE	* *	2-8	\$8,500				
Sicci			cted · 2%	2-0	φο,500				
	Broken/Missing Elements, Extent : Light, Area Affected : 2% Location : Missing Bolts Replaced By Fillet Weld Near Northeast Corner								
	Corrosion, Extent : Light, A	-	rear rormeasi	Comer					
	Location : Random Location								
Scupper	Eccuron : Runaom Eccuro	nis Tirroughour							
Ductile Iron	100%	LIFE	* *						
Ductile Hon	Other Observation, Extent:		ed : 100%						
	Location : On Deck	, 33							
	Explanation : 5 Total Scup	pers; 50 Percent Of Sci	appers Are Clog	ged					
perstructure		V		<u> </u>					
Deck,Structural									
Concrete	80%	LIFE	* *	5	\$2,100				
Concrete	20% 4+	\$6,500 LIFE	* *	5	\$2,100				
	Cracks, Extent : Light, Area	Affected : 10%							
	Location: Random Location	ons Throughout							
	Efflorescence, Extent : Light	, Area Affected : 10%							
	Location: Random Location	ons Throughout							
	Spalling, Extent: Light, Are	a Affected : 10%							
	Location: Random Location	ons Throughout							
Joints									
Generic	50%	LIFE	* *						
Generic	50% 2-4	\$2,200 LIFE	* *						
	Broken/Missing Elements, E		cted : 10%						
	Location : Random Location	ons Throughout							
Primary Member									
Steel	100%	LIFE	* *	2-8	\$35,100				
Secondary Member									
Steel	100%	LIFE	* *	2-8	\$29,400				

Maintenance \$ are aggregated over a ten-year 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$7,215,800	\$5,227,600
Total	\$7,215,800	\$5,227,600
Importance Code A	\$6,208,800	\$373,700
Importance Code B	\$84,400	
Importance Code C	\$922,700	\$4,854,000
Total	\$7,215,800	\$5,227,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$69,100	\$36,900	\$8,800	
Total	\$69,100	\$36,900	\$8,800	
Importance Code A	\$11,600	\$36,900	\$7,800	
Importance Code B	\$29,800		\$1,000	
Importance Code C	\$27,600			
Total	\$69,100	\$36,900	\$8,800	



Maintenance \$ are aggregated over a ten-year period. Site 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 Re	pair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date F Total (Years)	Estimated Cost	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Not Accessible	100%						
Piles							
Not Accessible	100%						
Walls							
Granite	65%	442 000	LIFE	* *			
Granite	35% 4+	\$13,800	LIFE	**			
	Efflorescence, Extent:			25%			
	Location: Lower Two	-		100/			
	Loose Elements, Extent Location : Throughou		а Ађестеа	: 10%			
Feature Crossed							
Bank Protection							
Riprap	100%		LIFE	* *			
Pier Protection							
Not Accessible	100%						
Approaches							
Pavement	1000/ 4.	¢26,000	2026	¢720 100	4	¢12 100	
Asphalt	100% 4+	\$36,000	2026	\$720,100	4	\$12,100	
	Cracks, Extent : Light, Location : Throughou		770				
Brick	100% 4+	\$42,400	2026	\$2,120,300	4	\$1,536,800	
	Other Observation, Ext	_		10%			
	Location : Random Lo	_	hout				
	Explanation : Missing	Brick Pavers					
Guide Railing	7. 704				• •	*** * * * * * * * * * * * * * * * *	
Steel	75%		LIFE	* *	2-8	\$11,700	
Steel	25% 4+	\$11,600	LIFE	* *	2-8	\$11,700	
	Corrosion, Extent : Mod		ected : 10%	6			
	Location : Throughou	t					
Sidewalks	1000/		LIEE	ala -l-			
Masonry	100%	, 7.1.4	LIFE	**			
	Other Observation, Ext		Affected :	13%			
	Location: Throughou	ι					
G . 1	Explanation : Cracks						
Steel	75%		LIFE	* *			
Steel	25% 4+	\$13,800	LIFE	**			
	Corrosion, Extent : Mod		ected : 10%	o			
	Location : Throughou	t Top Rail					

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

^{**} 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	M	aintenance				
System Component Type	% of Fail Date Estimat Total (Years)	ted Cost Year F FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
iers	•	•	•			•			
Pier,Columns									
Concrete	90%	LIFE	* *						
Concrete	10% 4+ \$	84,400 LIFE	* *						
	Spalling, Extent : Light, Area	Affected : 10%							
	Location: Throughout								
	Other Observation, Extent : Li	ight, Area Affected : .	5%						
	Location : Pier 1								
	Explanation : Area Currentl	y Under Repair, Beg	in Abutment Thr	ough 841	th Street.				
Steel	70%	LIFE	* *	2-8	\$14,200				
Steel		29,800 LIFE	* *	2-8	\$14,200				
	Corrosion, Extent : Light, Are	a Affected : 10%							
	Location : Throughout								
	Rust Stains, Extent : Light, Are	ea Affected : 10%							
	Location : Throughout								
Footings									
Not Accessible	100%								
Mat (scour & erosion)	1000		de de						
Earth	100%	LIFE	* *						
Piles	1000/								
Not Accessible	100%								
Deck Elements									
Railings/Parapets Concrete	75%	2034	* *	4	\$110,700				
Concrete		2034 043,900 2034	* *	4 4	\$73,800				
Concrete	Cracks, Extent : Moderate, Ar	· · · · · · · · · · · · · · · · · · ·		4	\$75,800				
	Location: Throughout	earyjeetea . 2070							
	Exposed Reinforcement, Exten	nt : Moderate. Area A	ffected : 15%						
	Location : Concentrated At ,		99						
	Rust Stains, Extent : Moderate		%						
	Location: Throughout								
	Spalling, Extent : Moderate, A	rea Affected : 20%							
	Location : Random, Also Co								
Steel	80%	LIFE	* *	2-8	\$101,300				
Steel		18,200 LIFE	* *	2-8	\$101,300				
2001	Corrosion, Extent : Light, Are				\$101,000				
	Location : Throughout								
	Rust Stains, Extent : Moderate	, Area Affected : 20%	%						
	Location: Throughout								
	Other Observation, Extent : Se	evere, Area Affected	: 10%						
	Location: Railing Supports								
	Explanation : Dislocated An		rete Around Anc	hors					

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

^{**} 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	Futur	re Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Wearing Surface	0.504	2022	4.4.4.2 000	_	#121 000	
Asphalt	85%	2023	\$1,143,800	5	\$124,900	
Asphalt	15% 2-4 \$40,400	2026	\$201,800	5	\$62,400	
	Cracks, Extent : Light, Area Affected : Location : Throughout	20%				
	Location : Throughout Loose Elements, Extent : Light, Area Aj	ffected : 5	50%			
	Location : Throughout	јестей . 5	770			
	Settlement, Extent : Light, Area Affecte	1 · 5%				
	Location: Throughout					
	Spalling, Extent : Light, Area Affected .	5%				
	Location: Throughout					
	Other Observation, Extent : Light, Area	ı Affected	! : 100%			
	Location : Throughout					
	Explanation: Asphalt Pavers					
Concrete	80%	2028	* *	5	\$543,100	
Concrete	20% 4+ \$310,500	2028	* *	5	\$271,500	
	Cracks, Extent: Light, Area Affected:	10%				
	Location: Throughout					
	Spalling, Extent : Light, Area Affected .	15%				
	Location: Throughout					
uperstructure						
Deck,Structural	70%	LIFE	* *	5	¢102.400	
Concrete Concrete	5% 4+ \$1,682,300	LIFE	* *	5 5	\$102,400 \$102,400	
Concrete	Cracks, Extent: Light, Area Affected:			3	\$102,400	
	Location: Throughout	2070				
	Exposed Reinforcement, Extent: Light,	Area Aff	ected : 10%			
	Location : Throughout	33				
	Recent Replace Evident, Extent : Light,	Area Affa	ected : 10%			
	Location : Repair To Underside Of D	eck Evide	ent			
	Spalling, Extent : Light, Area Affected .	10%				
	Location: Throughout					
Concrete	25% 2-4 \$3,364,500	LIFE	* *	5	\$102,400	
	Cracks, Extent: Severe, Area Affected	20%				
	Location: Throughout					
	Efflorescence, Extent : Moderate, Area	Affected	: 10%			
	Location : Throughout					
	Exposed Reinforcement, Extent : Mode	rate, Arec	a Affected : 10%			
T : .	Location : Throughout					
Joints Generic	33%	LIFE	* *			
Generic	67% 0-2 \$159,300	LIFE	* *			
Generic	Broken/Missing Elements, Extent: Seve					
	Location : Various Locations Per Bie					
	Leakage, Extent : Severe, Area Affected					
	Location : In Several Spans Per Bien					

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

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$117,600	\$1,791,900
Total	\$117,600	\$1,791,900
Importance Code B	\$64,500	
Importance Code C	\$53,000	\$1,791,900
Total	\$117,600	\$1,791,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$44,600			\$73,500
Total	\$44,600			\$73,500
Importance Code A	\$28,800			
Importance Code B	\$4,700			\$52,000
Importance Code C	\$11,100			\$21,500
Total	\$44,600			\$73,500



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	M	aintenance	
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	1,000/							
Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Stem (breastwall)								
Brick Veneer	Location	xtent : Mod n : Through	\$64,500 lerate, Area Affected out Both Abutments	;	* *			
	Location	ı : Joint Ma	nt : Moderate, Area ortar Missing Throu Extent : Light, Area	ghout B	oth Abutments			
		n : Through						
			ifically, Stone Facin					
Masonry: Brick	Location	servation, E 1 : Through	Extent : Light, Area . out ifically, Stone Facin		* * ! : 100%	3-5	\$84,100	
Masonry: Brick	<u> 5%</u>		\$4,700	LIFE	* *	3-5	\$84,100	
Masonly. Briek	Cracks, E. Location Other Obs Location	xtent : Seve n : End Abu servation, E n : Through	re, Area Affected : tment Extent : Light, Area	10% Affected	! : 100%	3 3	φο 1,100	
Wingwalls	-							
Footings Not Accessible	100%							
Mat (scour & erosion) Not Accessible	100%							
Piles	1000/							
Not Accessible	100%							
Approaches Pavement								
Asphalt	100%			2025	\$1,327,800	4	\$33,400	
Curbs	100/0				Ψ1,521,000	•	Ψ33,100	
Concrete w/ Steel Face	80%			LIFE	* *			
Concrete w/ Steel Face	20%		\$1,500	LIFE	* *			
	Settlemen		ight, Area Affected					
Embankment								
Not Accessible	100%							

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

^{**} 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		Futur	Future Replacement		Maintenance	
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	100%							
Not Accessible	100%							
Brngs, Ancr Blts, Pads	10070							
Not Accessible	100%							
Footings	10070							
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	* *			
			Aoderate, Area Aff	ected : 25	5%			
	Location	: Scattere	d Throughout					
Median						_		
Concrete	100%	4+	\$7,400	LIFE	* *	5	\$1,900	
			t, Area Affected : I	10%				
			d Throughout Aoderate, Area Affe		20/			
			doaeraie, Area Ajjo d Throughout	eciea . Sc	770			
			Extent : Light, Area	Affected	1 · 20%			
			d Throughout	1111100100	. 2070			
Railings/Parapets	Bocarron	· Scancre	a Throughour					
Masonry	100%	4+	\$17,200	2033	* *	5	\$900	
1.1455111			Extent : Moderate, 1		ected : 20%	C	Ψ, σσ	
			nd South Abutment	33				
	Explana	tion : Missi	ing Mortar Joints,	Cracks, I	Broken Elements			
Sidewalks								
Concrete	100%	4+	\$53,000	2029	* *	5	\$4,600	
			t, Area Affected : 2	20%				
			d Throughout					
			Aoderate, Area Aff	ected : 40	0%			
			d Throughout					
	-	_	ht, Area Affected :	5%				
	Location	: Scattere	d Throughout					
Wearing Surface	1000/			2025	0464.000	_	¢42.100	
Asphalt	100%			2025	\$464,000	5	\$43,100	
Superstructure Dock Structurel								
Deck,Structural Not Accessible	100%							
Primary Member	100%							
Not Accessible	100%							
NOT ACCESSION	100%							

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

^{**} 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 F	Repair	Futur	e Replacement	M	aintenance	
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%

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

: RAMP TO HHP N/B RAMP TO NB HHP/AMTRAK WEST SIDE **Asset Name**

Address : RAMP TO HENRY HUDSON PKWY. / W.158TH ST.

Borough : MANHATTAN Agency's Number : N/A Yr Built/Renovated

Program / Asset # : DOT0011.0A0 / 2574

Area Sq Ft : 10,800 **Project Type** : HIGHWAY BRIDGES

Date of Survey : 17-Dec-2012 **Landmark Status** : NONE

Areas Surveyed

Block BIN Lot : 222934A

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$323,400	\$757,000
Total	\$323,400	\$757,000
Importance Code A	\$284,800	\$451,300
Importance Code B	\$38,600	\$205,900
Importance Code C		\$99,800
Total	\$323,400	\$757,000

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$80,000		\$66,500	
Total	\$80,000		\$66,500	
Importance Code A	\$20,300		\$45,800	
Importance Code B	\$7,500		\$20,600	
Importance Code C	\$52,200			
Total	\$80,000		\$66,500	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	re Replacement	М	aintenance	
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	* *			
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	ected : 100%			
	Location	: South Er	nd					
	Explana	tion : Torn	And Detached Exp	ansion J	oint Material			
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	100%			LIFE	* *			
Walls								
Concrete	100%			LIFE	* *			
/ingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	* *			
pproaches								
Pavement								
Asphalt	100%	4+	\$5,000	2025	\$99,800	4	\$1,600	
F			t, Area Affected : 1		7,7,000	•	7-,000	
		ı : Isolated						
Concrete	100%	4+	\$7,800	2033	* *	4	\$6,200	
Concrete			at, Area Affected : 2			4	\$0,200	
		n : Random		0/0				
Curbs	Locuiton	. ranaom	Locunons					
	1000/			LIDE	* *			
Concrete	100%			LIFE	**			
Concrete w/ Steel Face	100%		Entont , I i - I . A	LIFE				
	Location	ı : Curb	Extent : Light, Area					
	-	tion : Cons ent Granite	ists of 25 Percent (Concrete,	,25 Percent Concre	ete With	Steel Face, And	
Granite	100%			LIFE	* *			

Maintenance \$ are aggregated over a ten-year period. Site 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	Curre	nt Repair	Futur	e Replacement	М	Maintenance	
System Component Type	% of Fail D Total (Year	ate Estimated Cost (rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Embankment							
Earth	100%		LIFE	* *			
Guide Railing	1000/		2020	* *			
Concrete	100%		2039	* *	4		
Sidewalks Concrete	1000/		LIDD	* *			
	100%		LIFE				
Piers Cap Beam							
Steel	95%		LIFE	* *	2-8	\$274,600	
Steel	5% 4+	\$9,300	LIFE	* *	2-8	\$274,600	
Steel	- /	: Moderate, Area Affe		6	2 0	Ψ274,000	
	Location : Rana						
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	Location : Rana Spalling, Extent :	\$7,500 Light, Area Affected : I dom Locations Light, Area Affected : h End West Side Wall I	10%	**			
Deck Elements							
Curbs							
Concrete	100%		2044	* *			
Granite		\$5,800 t : Light, Area Affected the Northwest Side	LIFE l:5%	* *			
	Location: Thro	n, Extent : Light, Area ughout East Side Of B eteriorated/ Missing J	ridge				
Mono Deck Surface							
Concrete	Location: Rana	\$6,200 Light, Area Affected : I dom Locations Light, Area Affected :		* *	5	\$28,700	
		East Side Around Span					

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

^{**} 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 F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Railings/Parapets	200/	#4.100	2022	ale ale		Φ2 100	
Concrete	20% 4+	\$4,100	2033	* *	4	\$2,100	
	Spalling, Extent : Mo Location : Southwe)			
G 4		si side On Top Of I		* *	4	ф2 100	
Concrete	80%		2033	**	4	\$3,100	
Steel	100%		LIFE	* *	2-8	\$16,300	
Sidewalks	1000/		2044	* *			
Cobblestone	100% Spalling, Extent : Lig	ht Area Affected:	2044				
	Location : Along Ed		10/0				
	Other Observation, E		Affected	. 100%			
	Location : West And	_	Пусстеи	. 10070			
	Explanation : Cobb		t Side An	d Grassy Area Ala	ono Fast	Side	
Concrete	100% 4+	\$13,700	2029	* *	5	\$5,700	
Concrete	Spalling, Extent : Lig				3	\$5,700	
	Location : At North		270				
	Vegetation Growth, E		Affected	1:5%			
	Location : At West	_	9,5				
Scupper		-					
Ductile Iron	100%		LIFE	* *			
uperstructure							
Deck,Structural							
Concrete	100%		LIFE	* *	5	\$11,900	
	Other Observation, E	xtent : Light, Area	Affected	: 100%			
	Location : Entire D	eck					
-	Explanation : No A	ccess To Tracks					
Joints							
Generic	80% 2-4	\$19,500	LIFE	* *			
	Broken/Missing Elem		erate, Ar	ea Affected : 100%	ó .		
	Location : Through	out					
Generic	20%		LIFE	* *			
Primary Member							
Steel	95%		LIFE	* *	2-8	\$199,700	
Steel	5% 4+	\$284,800	LIFE	* *	2-8	\$199,700	
	Corrosion, Extent : L						
	Location : On Floor	r Beam Bottom Fla	nges, Pa	rtıcularly Heavy A	t Joints		
Secondary Member	1000/		LIDE	a. a.	2.0	Φ1 67 0 00	
Steel	100%		LIFE	* *	2-8	\$167,300	

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

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$13,368,500	\$7,941,800
Total	\$13,368,500	\$7,941,800
Importance Code A	\$9,458,800	\$6,734,600
Importance Code B	\$2,266,900	
Importance Code C	\$1,642,900	\$1,207,200
Total	\$13,368,500	\$7,941,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$68,500		\$465,700	
Total	\$68,500		\$465,700	
Importance Code A	\$59,700		\$465,700	
Importance Code B				
Importance Code C	\$8,800			
Total	\$68,500		\$465,700	



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

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

Asset #: 2493

Bridge Structure	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
butments				
Bridge Seat&pedestals				
Concrete	50%	LIFE **		
	Other Observation, Extent : Light,	Area Affected : 40%		
	Location:	I INVITED	• 17. • 1)	
	Explanation : Field Inspection Su			
Concrete	50% 4+ \$264,4			
	Cracks, Extent: Moderate, Area A	ffected: 25%		
	Location: Throughout	Affactad . 250/		
	Spalling, Extent : Moderate, Area A Location : At Begin Abutment	Affeciea : 25%		
a t		TIEE **		
Granite	100%	LIFE **		
Backwall Concrete	100%	LIFE **		
	100%	LIFE		
Brngs,Ancr Blts,Pads Steel	75%	LIFE **		
Steel	25% 2-4 \$175,7			
Steel	Corrosion, Extent : Moderate, Area			
	Location: Both Abutments	a Hyeerea . 2570		
Footings				
Not Accessible	100%			
Joint with Deck				
Generic	50%	LIFE **		
Generic	50% 2-4 \$136,9	900 LIFE **		
	Other Observation, Extent: Moder	rate, Area Affected : 50%		
	Location: End Abutment			
	Explanation : Worn Out Filler			
Mat (scour & erosion)				
Earth	100%	LIFE **		
Pedestals	0.7			
Concrete	85%	LIFE **		
Concrete	15% 4+ \$90,7			
	Spalling, Extent: Moderate, Area	Affectea : 10%		
C4 (1 4 11)	Location : At Begin Abutment			
Stem (breastwall) Concrete	100%	LIFE **		
Concrete	Other Observation, Extent : Light,	LIPE		
	Location: Begin Abutment	Tirea Tiffeetea . 10070		
	Explanation : Condition Repaired	1		
Granite	100%	LIFE **		
Granice	Other Observation, Extent : Light,			
	Location: Begin Abutment			
	Explanation : Condition Repaired	d		
Vingwalls				
Footings				
Not Accessible	100%			
Mat (scour & erosion)				
Earth	100%	LIFE **		

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

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

Asset #: 2493

ridge Structure		Current	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priori
ingwalls	•							
Piles	1000/							
Not Accessible	100%							
Walls	1000/	4.	\$06.600	LIDD	* *			
Granite	Location Other Obs Location	ı : Random		hout	%			
Masonry	100%			LIFE	* *			
1.2000113	Vegetation	n Growth, I 1 : At Begin	Extent : Moderate, Abutment		ected : 25%			
proaches								
Pavement								
Asphalt	Location	i : At South	• •		\$439,700	4	\$8,100	
	Location	ı : New Asp	ent, Extent : Light, halt At North App	roach				
Concrete	Location Spalling, I	n : At End A	ht, Area Affected :		**	4	\$30,800	
Curbs								
Concrete w/ Steel Face		4+ s, Extent : n : At End A	\$6,900 Light, Area Affecte Approach	LIFE d: 100%	* *			
Granite	100%			LIFE	* *			
Embankment								
Generic	100%			LIFE	* *			
Mat (scour & erosion) Earth	100%			LIFE	* *			
Railings/Parapets								
Concrete	100%	4	4.40 0	2034	* *			
Granite	Location	ı : Random	\$4,100 Extent : Light, Area Locations Throughing Joint Mortar		* * : 5%			
Steel	100%	1711331	and John Mohal	LIFE	* *			
Sidewalks	100%			тит				
Asphalt	100%			2026		4		
Concrete	100%			LIFE	* *	-⊤		
ers	100/0			Lii L				

Piers

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

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

Asset #: 2493

idge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
tem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
S	1							
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	
	Corrosion	, Extent : N	loderate, Area Affe	cted : 15	5%			
	Location	ı : On Cant	ilever Portions Spa	n 42 To 1	End			
Pier,Columns								
Concrete Encased Steel	50%			LIFE	* *	5	\$900	
Concrete Encased Steel	50%	0-2	\$1,124,600	LIFE	* *	5	\$900	
			erate, Area Affecte					
			ilever Portions Spa					
			derate, Area Affect					
	Location	ı : On Cant	ilever Portions Spa	n 42 To 1	End			
Stem,Solid Pier	0004				de de			
Masonry	80%	4.	ΦΩ CΩ 1ΩΩ	LIFE	* *			
Masonry	20%	4+	\$968,100	LIFE				
			xtent : Moderate, A And Base Of Pier					
			w Sound Area And	-	=	tation Cr	owth	
Brngs,Ancr Blts,Pads	Ехриана	11011 . 11011C	w Sound Area And	veriicui	Cracks Ana vege	unon Gr	Owin	
Steel	60%			LIFE	* *	2-8	\$173,900	
Steel	40%	2-4	\$890,200	LIFE	* *	2-8	\$173,900	
20001			ight, Area Affected				Ψ170,500	
		ı : Through	-					
	Joint Free	zing, Exten	t : Moderate, Area	Affected	: 10%			
	Location	ı : Through	out					
	Other Ob	servation, E	xtent : Light, Area	Affected	: 10%			
	Location	ı : Several :	Spans					
	Explana	tion : Missi	ng Anchor Bolts					
Footings								
Not Accessible	100%							
Mat (scour & erosion)	400:							
Earth	100%			LIFE	* *			
Pedestals	0.501			LIPE	do do			
Concrete	95%	4 :	ф 27 200	LIFE	* *			
Concrete	5%	4+	\$37,300	LIFE				
		servanon, E 1 : Pier 41	xtent : Moderate, 1	11еи AJJе	ciea . 100%			
			iennial Inspection	Renort T	The Right Wall Has	A Crack	In Pier 41 Which	
	-	ites Into Pe	-	περυπ Ι	ne Rigiu wan 1103	11 Cruck	III I ICI 71 WIIICII	
Piles	· F 8v							
Not Accessible	100%							

Deck Elements

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

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

Asset #: 2493

idge Structure	Current	Repair	Future	e Replacement	M	aintenance	
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ck Elements							
Curbs							
Concrete w/ Steel Face	100%		LIFE	* *			
Granite	90%		LIFE	* *			
Granite	10% 4+	\$6,400	LIFE	* *			
	Cracks, Extent: Ligh		50%				
	Location : Through	iout					
Guide Railing	0.504		2020	de de			
Concrete	95%	#21 100	2038	* *			
Concrete	5% 4+	\$31,100	2038	**			
	Broken/Missing Elen	_	t, Area A <u>j</u>	fected: 10%			
	Location: Through		N50/				
	Cracks, Extent: Light Location: Through		3%				
	Spalling, Extent: Lig		100/				
	Location : Through		1070				
Railings/Parapets	Location . Through	ioui					
Granite	100%		LIFE	* *			
Masonry	95%		2034	* *	5	\$25,900	
Masonry	5% 4+	\$11,100	2034	* *	5	\$12,900	
Wasom y	Other Observation, I			cted : 10%	3	Ψ12,700	
		hout, Concentrated					
	_	ing Mortar And Ve		Growth At Base Of	Parapet		
Steel	100% 4+	\$254,800	LIFE	**	2-8	\$23,900	
Steel	Corrosion, Extent : I				2 0	Ψ25,700	
		Of Railing, West Fo		apet			
	Other Observation, I						
		Of Parapet, West S					
	Explanation : Vege						
Sidewalks							
Concrete	90%		2030	* *	5	\$117,500	
	Cracks, Extent: Light	ht, Area Affected : 2	2%				
	Location : Through	hout					
Concrete	10% 4+	\$186,400	2030	* *	5	\$58,700	
	Cracks, Extent: Mod	derate, Area Affecte	ed: 20%				
	Location: At East	Fascia Sidewalk					
Wearing Surface							
Concrete	95%		2034	* *	5	\$650,000	
Concrete	5% 2-4	\$85,100	2034	* *	5	\$325,000	
	Other Observation, I		Affected	: 5%			
	Location : Through						
	Explanation: Crac	cks, Map Cracks An	d Delami	nated Area.			
Scupper	400-						
Cast Iron	100%	F	LIFE	**			
	Other Observation, I	=	Affected	: 100%			
	Location: Through						
	Explanation: Tota	i Of 28 Scuppers					

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.

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

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

Asset #: 2493

ridge Structure		Current	Repair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
perstructure								
Deck,Structural								
Concrete	50%			LIFE	* *	5	\$199,700	
Concrete	Location	ı : Through	\$2,967,500 lerate, Area Affecte out t : Moderate, Area		* * : 15%	5	\$199,700	
	Location	ı : Through	nout					
	Exposed Reinforcement, Extent: Light, Area Affected: 2% Location: Random Locations Throughout							
		Extent : Mo ı : Through	oderate, Area Affect out	ted : 10%	ó			
Joints								
Steel	80%			LIFE	* *			
Steel	15%		\$411,400	LIFE	* *			
	_	Extent : Mo 1 : Through	oderate, Area Affec out	ted : 20%	6			
	Location	ı : Through		Affected	! : 20%			
	Explana	tion : Miss	ing/damaged Seal					
Steel	5% Broken/M		\$342,900 nents, Extent : Seve	LIFE re, Area	* * Affected : 100%			
			scia Sidewalk					
Primary Member								
Concrete Encased Steel	70%			LIFE	* *	5	\$914,500	
Concrete Encased Steel	30%		\$3,613,200	LIFE	* *	5	\$914,500	
		xtent : Mod 1 : Through	lerate, Area Affecte out	d : 25%				
	Corrosion, Extent : Moderate, Area Affected : 25% Location : Throughout							
			oderate, Area Affect out	ted : 25%	6			
	Location : Throughout Other Observation, Extent : Light, Area Affected : 100%							
		ı : At Spans		55				
		•	ently Under Repair					
Steel	100%			LIFE	* *	2-8	\$2,684,100	
~		s, Extent:	Light, Area Affecte			_ 0	, _, J J ., 1 J J	
			Locations Through					
Secondary Member								
Concrete Encased Steel	100%			2053	* *			

^{**} 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

Area Sq Ft : 44,400 Project Type : HIGHWAY BRIDGES

Date of Survey : 08-Aug-2011 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2249269

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$664,800	\$1,488,900
Total	\$664,800	\$1,488,900
Importance Code A	\$287,200	\$488,300
Importance Code B		\$439,500
Importance Code C	\$377,700	\$561,100
Total	\$664,800	\$1,488,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$134,300		\$88,700	\$4,000
Total	\$134,300		\$88,700	\$4,000
Importance Code A	\$32,300		\$44,600	
Importance Code B	\$100		\$44,100	
Importance Code C	\$102,000			\$4,000
Total	\$134,300		\$88,700	\$4,000



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments	•					
Bridge Seat&pedestals						
Concrete	100%	LIFE	* *			
Backwall	1000		* *			
Concrete	100%	LIFE	* *			
Brngs, Ancr Blts, Pads	1000/	LIDD	* *			
Generic	100% Other Observation, Extent : Light, Area	LIFE				
	Location: Throughout	і Аујесіей	. 10070			
	Explanation: Pot Bearing					
Footings	Explanation . 1 of Bearing					
Not Accessible	100%					
Joint with Deck	10070					
Generic	100%	LIFE	* *			
Mat (scour & erosion)	2007					
Generic	100% 4+ \$100	LIFE	* *			
	Broken/Missing Elements, Extent: Liga		ffected : 1%			
	Location : Random, Concrete Block (Covered	-			
	Settlement, Extent : Light, Area Affecte	d : 3%				
	Location: Random					
	Other Observation, Extent : Light, Area	a Affected	: 2%			
	Location: Random					
	Explanation: Vegetation Growth					
Pedestals						
Concrete	100%	LIFE	* *			
Stem (breastwall)						
Concrete	100%	LIFE	* *			
Wingwalls						
Footings	1000/					
Not Accessible	100%					
Mat (scour & erosion) Earth	100%	LIFE	* *			
Piles	100%	LIFE				
Not Accessible	100%					
Walls	100/0					
Concrete	100% 4+ \$27,200	LIFE	* *			
Concrete	Cracks, Extent: Light, Area Affected:					
	Location : Random					
Feature Crossed						
Bank Protection						
Concrete	100% 4+ \$310,500	LIFE	* *			
	Cracks, Extent: Light, Area Affected:	5%				
	Location: Random					
	Spalling, Extent : Light, Area Affected	: 3%				
	Location : Random					
	Other Observation, Extent : Light, Area	a Affected	: 2%			
	Location : Random					
	Explanation : Exposed Reinforcemen	t				

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

ridge Structure	Current	Repair	Future Replacement Maintenance		aintenance		
vstem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ature Crossed							
Mat (scour & erosion) Stream Bed	100%		LIFE	* *			
proaches							
Pavement							
Asphalt	80%		2024	\$463,900	4	\$8,100	
Asphalt	20% 4+	\$23,200	2028	* *	4	\$8,100	
	Broken, Missing Pave Location: Randon		ea Affecte	ed : 3%			
	Cracks, Extent : Seve Location : Random		50%				
	Settlement, Extent : I Location : Random		ected : 15	%			
Concrete	100% 4+ Cracks, Extent: Ligh		2032	* *	4	\$30,800	
	Location: Random	1					
Curbs			_				
Concrete w/ Steel Face	100% 4+	\$1,800	LIFE	* *			
	Rust Stains, Extent:		ted : 75%				
	Location : Through						
	Settlement, Extent:			%			
		st Corner Of Bridge					
	Vegetation Growth, Location: Random		Affected	: 2%			
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+ Cracks, Extent: Light		LIFE 8%	* *			
	Location: Random Vegetation Growth, Location: Random	Extent : Light, Area	ı Affected	: 2%			
200	Locuion . Rundon						
ers Cap Beam							
Cap Beam Concrete	100%		LIFE	* *			
Pier, Columns	10070		LIIL				
Concrete	100%		LIFE	* *			
Brngs, Ancr Blts, Pads	10070		LHT				
Generic Grant Gran	100%		LIFE	* *			
Generic	Other Observation, I	Extent · Lioht Area					
	Location : Through	_	Ајјестеи	. 10070			

Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	Future Replacement Maintenance		aintenance		
System Component Type	% of Fail Date Estima Total (Years)	ted 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	1000/	110.000 I IEE	* *				
Concrete w/ Steel Face	100% 4+ \$ Rust Stains, Extent: Severe, A Location: Throughout	610,900 LIFE rea Affected : 75%					
Railings/Parapets							
Concrete	Cracks, Extent: Light, Area A Location: At Base Of Light Efflorescence, Extent: Light, Location: At Base Of Light	Post Pedestals Area Affected : 3% Post Pedestals	* *	4	\$8,600		
	Rust Stains, Extent: Light, Ard Location: At Base Of Light						
	Other Observation, Extent : La Location : Random		: 2%				
	Explanation : Scaling						
Steel	100% Other Observation, Extent: L. Location: Close To The End Explanation: Vegetation Gr	l Approach	* * : 5%	2-8	\$11,800		
Sidewalks							
Concrete	100% 4+ \$\\$ Cracks, Extent: Light, Area A Location: Random Spalling, Extent: Light, Area L Location: Random	-	* *	5	\$11,100		
	Other Observation, Extent: La Location: Random	ight, Area Affected	: 2%				
	Explanation: Scaling						
Wearing Surface	1000/	A 100 - 202		_	***		
Concrete	100% 4+ \$ Cracks, Extent: Light, Area A Location: Random	667,100 2032 ffected : 2%	* *	5	\$97,200		
uperstructure							
Deck,Structural							
Concrete	100% 4+ \$2 Cracks, Extent: Light, Area A Location: Random Efflorescence, Extent: Light, A		* *	5	\$48,900		
	Location: Random	nica nyjevica . 5/0					

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

^{**} 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	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure							
Primary Member							
Steel	100%		LIFE	* *	2-8	\$820,800	
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$687,600	

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$905,000	\$4,395,900
Total	\$905,000	\$4,395,900
Importance Code A	\$679,800	\$1,415,400
Importance Code B		\$964,400
Importance Code C	\$225,200	\$2,016,100
Total	\$905,000	\$4,395,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$104,300	\$5,400	\$245,800	\$23,000
Total	\$104,300	\$5,400	\$245,800	\$23,000
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
Total	\$104,300	\$5,400	\$245,800	\$23,000



Maintenance \$ are aggregated over a ten-year period. Site 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 l	Repair	Futur	e Replacement	M	aintenance	
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) Granite	Location Other Ob.	issing Elen 1 : West Sid servation, E	nents, Extent : Ligh le Of The End Abut. Extent : Light, Area	ment				
			ellular Abutment					
Wingwalls Footings Not Accessible	100%		rnished Office Spac	<u>:e</u>				
Mat (scour & erosion) Generic	100%			LIFE	* *			
Piles	100%			LIFE				
Not Accessible	100%							
Walls								
Concrete	90%			LIFE	* *			
Concrete	Location Rust Stair	ence, Extent n : Random	Light, Area Affecte		**			
Approaches								
Pavement Asphalt Asphalt		2-4 t, Extent : N	\$225,200 Moderate, Area Affa d Of Approach	2024 2024 ected : 25	\$1,125,800 \$750,500	4 4	\$30,200 \$30,200	
Curbs								
Concrete w/ Steel Face Concrete w/ Steel Face	Location Settlemen	4+ a, Extent : L a : About Be	Moderate, Area Affe		** **			
	_	n Growth, I 1 : Through	Extent : Severe, Are out	a Affecte	ed : 100%			

^{**} 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 F	Repair	Future Replacement Maintenance				
ystem Component Type	% of l Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
pproaches								
Guide Railing								
Concrete	50%			2032	* *	4	\$13,000	
Concrete	50%	4+	\$62,100	2032	* *	4	\$13,000	
			re, Area Affected :	50%				
	Location		_					
	Exposed Re Location	-	ent, Extent : Moder	ate, Area	Affected : 15%			
	Spalling, E. Location		ere, Area Affected gth	: 50%				
Granite	100%	4+	\$49,800	LIFE	* *			
	Misaligned Location		Extent : Light, Ared n Parapet	a Affecte	d : 10%			
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	70%			LIFE	* *			
Concrete	30%	2-4	\$8,300	LIFE	* *			
	Settlement, Location		ight, Area Affected nd	!: 5%				
	Vegetation Location		Extent : Light, Area	Affected	2 : 5%			
ers								
Cap Beam								
Steel	80%			LIFE	* *	2-8	\$739,200	
Steel	20%	4+	\$399,900	LIFE	* *	2-8	\$739,200	
			Ioderate, Area Affe	ected : 20)%			
	Location	: Surface I	Rust Under Joints					
Pier, Columns	0.504				de de	• •	4271 2 00	
Steel	95%	4	Φ0.000	LIFE	* *	2-8	\$271,300	
Steel	5%	4+	\$9,900	LIFE	* *	2-8	\$271,300	
	Location		ight, Area Affected	: 5%				
Stam Calid Dian	Locuiton	. Kanaom						
Stem,Solid Pier Granite	100%			LIFE	* *			
Granite	Other Obse		Extent : Light, Area					
	Location .		ion 7 Io A C-1: 1 C	D:				
Brngs,Ancr Blts,Pads	Expianati	on: On P	ier 7 Is A Solid Ste	m rier				
Steel	80%			LIFE	* *	2-8	\$500	
Steel	20%	4+	\$5,300	LIFE	* *	2-8 2-8	\$500 \$500	
Sicci			אס,500 evere, Area Affecte			2-0	\$300	
	Location		сте, птей пујесте	и. 50/0				
	20 canon							
Footings								

Deck Elements

Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	Future Replacement Maintenance			
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	* *			
			Ioderate, Area Affe	cted : 20)%			
	Location	: Various	Locations					
Railings/Parapets	1000/			2022	ale ale		Φ2 000	
Concrete	100%			2032	* *	4	\$2,800	
Granite	100%			LIFE		2.0	Φ11 5 00	
Steel	88%	4.	Φ4. 2 00	LIFE	* *	2-8	\$11,500	
Steel	12%	4+	\$4,200	LIFE	* *	2-8	\$11,500	
			ight, Area Affected	: 10%				
Sidewalks	Locuitor	. In spans	2 And 3, Bottom					
Sidewaiks Concrete	70%			2028	* *	5	\$10,800	
Concrete	30%	4+	\$19,500	2028	* *	5	\$5,400	
Concrete			tht, Area Affected :			3	\$5,400	
		: Random		1370				
			Extent : Light, Area	Affected	1 · 10%			
		: Random		11,1,000,000	. 10,0			
Wearing Surface								
Asphalt	75%			2024	\$104,800	5	\$12,400	
Asphalt	25%	4+	\$7,000	2024	\$34,900	5	\$6,200	
rispitati			derate, Area Affect			J	Ψ0,200	
		: Random						
Concrete	100%			2032	* *	5	\$12,600	
Superstructure							•	
Deck,Structural								
Concrete	85%			LIFE	* *	5	\$11,800	
			Extent : Light, Area	Affected	: 100%			
		: Through						
	Explana	tion : Temp	orary Concrete Ba	rrier Is l	Used For One Lane	e Closure	2	
Concrete	15%		\$88,900	LIFE	* *	5	\$11,800	
			ere, Area Affected :					
	Location	: Minor C	racks With Spalls I	n Span 2	To 5			
Joints								
Generic	100%			LIFE	* *			
Primary Member						•	AFF 1 F 2 F	
Steel	90%	_	*** *********************************	LIFE	* *	2-8	\$724,700	
Steel	10%	4+	\$79,100	LIFE	* *	2-8	\$724,700	
			Extent : Light, Area	Affected	: 10%			
		: Random						
Coondon Manakan	Ехріапа	tion : Paini	reeting					
Secondary Member	000/			LIED	* *	20	¢607 100	
Steel Steel	90% 10%	4+	¢17.400	LIFE LIFE	* *	2-8	\$607,100 \$607,100	
Steel			\$17,400 Ioderate, Area Affe			2-8	φυυ/,100	
			oint Piers 2 And 5	. ieu . 20	.,,0			
	Locunor	. Onuer J	omi i iers 2 Ana 3					

Maintenance \$ are aggregated over a ten-year period. Site 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	
Total	\$834,000	\$4,279,400	
Importance Code A	\$659,900	\$431,100	
Importance Code B	\$128,800	\$3,784,900	
Importance Code C	\$45,300	\$63,400	
Total	\$834,000	\$4,279,400	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$31,700		\$418,300	\$14,200
Total	\$31,700		\$418,300	\$14,200
Importance Code A			\$38,700	\$14,200
Importance Code B			\$379,600	
Importance Code C	\$31,700			
Total	\$31,700		\$418,300	\$14,200



^{**} 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 I	Repair	Futur	e Replacement	M	aintenance	
System Component			Estimated Cost		Estimated Cost		Estimated Cost	Priority
Туре	Total	(Years)		FY		(Yrs)		
Abutments	•							
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%							
Piers								
Cap Beam								
Steel	60%	4+	\$174,600	LIFE	* *	2-8	\$224,300	
	Corrosion,	Extent: L	ight, Area Affected	: 10%				
	Location	: Random						
Steel	30%			LIFE	* *	2-8	\$224,300	
Steel	10%			LIFE	* *	2-8	\$224,300	
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 100%			
	Location	: Pier 2						
	Explanat	ion : Cove	red By Temporary .	Shielding	3			
Pier,Columns								
Steel	65%			LIFE	* *	2-8	\$105,400	
Steel	35%	4+	\$128,800	LIFE	* *	2-8	\$105,400	
	Corrosion,	Extent: L	ight, Area Affected	: 10%				
	Location	: Random						
Brngs,Ancr Blts,Pads								
Not Accessible	100%							
Footings				_				
Not Accessible	100%							
Mat (scour & erosion)								
Riprap	100%			LIFE	* *			
			Extent : Light, Area	Affected	: 100%			
		: Through						
	Explanat	ion : Not V	isible Due To High	ı Tide				
Pedestals								
Concrete	100%			LIFE	* *			
Deck Elements								
Railings/Parapets								
Concrete	100%			2032	* *	4	\$28,300	

Maintenance \$ are aggregated over a ten-year period. Site 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 R	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Wearing Surface							
Concrete	50%		2032	* *	5	\$63,400	
Concrete	50% 4+	\$45,300	2032	* *	5	\$31,700	
	Spalling, Extent : Ligh	ıt, Area Affected :	5%				
	Location: Random						
Superstructure							
Deck,Structural	0.50/ 4 .	Ø61.700	LIEE	* *	~	ф 22 соо	
Concrete	85% 4+	\$61,500	LIFE	* *	5	\$22,600	
	Spalling, Extent : Ligh Location : Topside (3%				
~						*** ***	
Concrete	15% 4+	\$10,900	LIFE	* *	5	\$22,600	
	Spalling, Extent : Light, Area Affected : 5% Location : Topside Of Deck						
	•	· ·	A CC . 1	1000/			
	Other Observation, Ex	_	Affected	: 100%			
	Location: Spans 2 A		GI · 1 I·				
Joints	Explanation: Cover	ea By Temporary	Snielaing	5			
Joints Generic	100%		LIFE	* *			
	100%		LIFE				
Primary Member Steel	85% 4+	\$412,900	LIFE	* *	2-8	\$88,700	
Steel	65% 4+ Corrosion, Extent : Li				2-8	\$88,700	
	Location : Random	дні, Агей Ајјесіей	. 570				
Steel	15%		LIFE	* *	2-8	\$88,700	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location: Span 2 A	nd 3					
	Explanation: Cover	ed By Temporary	Shielding	3			
Secondary Member							
Steel	85%		LIFE	* *	2-8	\$2,903,700	
	Rust Stains, Extent : L	ight, Area Affecte	d: 3%				
	Location: Random						
Steel	15%		LIFE	* *	2-8	\$2,903,700	
	Other Observation, Ex	ctent : Light, Area	Affected	: 100%			
	Location : Spans 2 A	and 3					
	Explanation: Cover	ed With Temporar	y Shieldi	ng			

Maintenance \$ are aggregated over a ten-year 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$379,700	\$35,900
Total	\$379,700	\$35,900
Importance Code B	\$155,100	
Importance Code C	\$224,600	\$35,900
Total	\$379,700	\$35,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$72,700		\$500	
Total	\$72,700		\$500	
Importance Code A	\$30,100		\$500	
Importance Code C	\$42,600			
Total	\$72,700		\$500	



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

^{**} 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 R	epair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (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	**			
	Missing/Damaged Sed			ected : 30%			
	Location: Random I	_		,			
	Spalling, Extent: Mod Location: Random?						
	Other Observation, Ex						
	Location : North Ab		теи Ајје	cieu . 2070			
	Explanation : Water		Loint				
Mat (scour & erosion)	Explanation : water	Leakage Through	Joini				
Earth	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Stem (breastwall)							
Not Accessible	100%						
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Piles	1000/						
Not Accessible	100%						
Walls	1,000/						
Not Accessible	100%						
Feature Crossed Bank Protection							
Riprap	100%		LIFE	* *			
Mat (scour & erosion)	200,0						
Earth	100%		LIFE	* *			
Approaches							
Pavement							
Concrete	100% 4+	\$62,800	2034	* *	4	\$39,400	
	Cracks, Extent : Light						
	Location: Random I	Locations Through	iout				

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

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

DEPARTMENT OF TRANSPORTATION - 841 STILLWELL AVE. BRIDGE

Asset #: 13572

ridge Structure	Current Repair		Futur	Future Replacement		Maintenance	
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priori
proaches							
Curbs							
Concrete w/ Steel Face	100% 4+	\$16,300	LIFE	* *			
	Corrosion, Extent : I	Moderate, Area Affe	ected : 20	9%			
	Location: Random	Locations Through	hout				
	Spalling, Extent: Lig	ght, Area Affected :	5%				
	Location: Random	Locations Through	nout				
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	* *			
		Cracks, Extent : Moderate, Area Affected : 20%					
	Location: Random	_					
	Settlement, Extent : I						
	Location : Northea	st Corner And Sout	heast Co	rner			
	Spalling, Extent: Lig	ght, Area Affected :	5%				
	Location: Random	Locations Through	hout				
ers							
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%						
ck Elements					_		
Curbs							
Concrete w/ Steel Face	100% 4+	\$13,800	LIFE	* *			
	Corrosion, Extent : I			0%			
	Location: Random	_					
	Spalling, Extent: Lig	ght, Area Affected :	5%				
	Location : Random	Locations Through	hout				
Railings/Parapets							
Steel	100%		LIFE	* *	2-8	\$10,900	

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

^{**} 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	C	urrent Rep	air	Futur	e Replacement	M	aintenance	
System Component Type		nil Date Es Years)	timated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Sidewalks	100-			• • • • •		_		
Concrete	100%	4+	\$15,600	2030	* *	5	\$5,100	
	Cracks, Exte	nt : Light, A	rea Affected : 1	0%				
	Location : I	Random Loc	cations Through	out				
Wearing Surface								
Concrete	100%	4+	\$27,000	2034	* *	5	\$35,900	
	Cracks, Exter	nt : Light, A	rea Affected : 1	0%				
	Location : I	Random Loc	ations Through	out				
	Spalling, Ext	ent : Light, A	Area Affected :	5%				
	Location : I	_						
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
Not Accessible	100%							

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$636,700
Total		\$636,700
Importance Code B		\$71,900
Importance Code C		\$564,800
Total		\$636,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$60,600		\$9,100	
Total	\$60,600		\$9,100	
Importance Code A			\$100	
Importance Code B	\$14,700		\$7,200	
Importance Code C	\$45,800		\$1,700	
Total	\$60,600		\$9,100	



Maintenance \$ are aggregated over a ten-year period. Site 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		
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	10070							
Not Accessible	100%							
Brngs, Ancr Blts, Pads								
Not Accessible	100%							
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%	4+	\$14,700	LIFE	* *			
			ent : Light, Area Af	fected : 1	5%			
	Location	a: Both Abi	utments					
Mat (scour & erosion)	1000			T TT	* *			
Earth	100%			LIFE	* *			
Pedestals	1000/							
Not Accessible	100%							
Stem (breastwall) Not Accessible	100%							
Wingwalls	100%							
Footings								
Not Accessible	100%							
Mat (scour & erosion)	10070							
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	* *			
Not Accessible	100%							
Approaches								
Pavement	1000/		Φ20.200	2025	Φ π ε 4 000		010 100	
Asphalt	Location	ı : Random			\$564,800	4	\$12,100	
	Settlement, Extent : Light, Area Affected : 10%							
	Location: Random Locations							
	Other Observation, Extent : Light, Area Affected : 100% Location : Both Approaches							
			prouches ists Of 50 Percent 1	A anhalt	And 50 Panaont Co.	navata		
Community					**		¢10.100	
Concrete	100%	4+	\$6,900 at, Area Affected : 5	2033	* *	4	\$18,100	
		n : Random		70				
Curbs	Locuitor	itanuom	Locunons					
Concrete w/ Steel Face	100%			LIFE	* *			
Embankment	100/0			ыны				
Earth	100%			LIFE	* *			
	100/0			<u> </u>				

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

^{**} 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 l	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches								
Guide Railing	400							
Concrete	100%			2033	**	4		
			Extent : Light, Area	Affected	: 50%			
		n : Both App		_				
			ists Of 50 Percent		and 50 Percent M		ce	
Steel	100%			LIFE	* *	2-8		
			ight, Area Affected	l : 10%				
	Location	n : Random	Locations					
Sidewalks								
Concrete	95%			LIFE	* *			
Concrete	5%	4+	\$1,500	LIFE	* *			
	Cracks, E.	xtent : Ligh	t, Area Affected : 3	50%				
	Location	n : Random	Locations					
Deck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
	Corrosion	ı, Extent : L	ight, Area Affected	l : 5%				
	Location	n : Through	out					
Railings/Parapets								
Concrete	100%			2033	* *	4		
			Extent : Light, Area		: 50%			
		n : Both Sid	_	00				
	Explana	tion : Cons	ists Of 50 Percent	Concrete	And 50 Percent C	orrugate	d Steel Sheeting	
Steel	100%		<u>-</u>	LIFE	* *	2-8	\$3,700	
Sicci			ight, Area Affected			2-0	Ψ3,700	
		n, Extent . E n : Random	-	1. 10/0				
Sidewalks	Босино	- Random	Locuitons					
Concrete	100%			2029	* *	5	\$3,500	
Wearing Surface	10070			2029		3	\$3,300	
Concrete	100%	4+	\$9,300	2033	* *	5	\$20,600	
Concrete			\$9,500 at, Area Affected : :			3	\$20,000	
		n : Through)/0				
	Locuitor	i. Inrough	ош					
uperstructure								
Deck,Structural	1.000/			LIDE	* *	_	ΦΩ ΩΩΩ	
Concrete	100%			LIFE		5	\$8,000	
			Extent : Light, Area	Ађестеа	: 100%			
			Inderside Of Deck					
	-		In Place Forms On	ıly At Utu	lity Bays. Remaind	er Concr	ete Topping Over	
Daimoury Manalana	Box Bea	rns						
Primary Member	1.000/			TIPE	* *			
Prestressed Concrete	100%			LIFE	-1- 4-			
Box Beam								
Secondary Member	1000			TIDE	ala -t-	2.0	Ø110 700	
Steel	100%		7	LIFE	**	2-8	\$112,500	
			Extent : Light, Area	Affected	: 100%			
		n : Span 1		_				
	Explana	tion : Seco	ndary Steel Membe	ers Locate	ed Inside Of Box B	eams Are	Not Accessible	

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

^{**} 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

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
Total	\$103,800	\$660,900
Importance Code C	\$103,800	\$660,900
Total	\$103,800	\$660,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$34,800		\$700	\$7,200
Total	\$34,800		\$700	\$7,200
Importance Code A			\$700	\$7,200
Importance Code C	\$34,800			
Total	\$34,800		\$700	\$7,200



^{**} 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	Futur	e Replacement	M	aintenance	
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	1000/							
Not Accessible	100%							
Footings	1,000/							
Not Accessible	100%							
Joint with Deck	1000/			LIDE	* *			
Generic	100%	J/Dulaina	Entant : Lialit Ana	LIFE				
			Extent : Light, Area Both Sides	а Ајјесте	a : 270			
Mat (again 0 again)	Locanor	. капаот	Doin Staes					
Mat (scour & erosion) Earth	100%			LIFE	* *			
	100%			LIFE				
Pedestals Not Accessible	100%							
	100%							
Stem (breastwall) Not Accessible	100%							
Wingwalls	10070							
Footings								
Not Accessible	100%							
Mat (scour & erosion)	10070							
Generic	100%			LIFE	* *			
Walls	10070			- En E				
Not Accessible	100%							
Approaches	100,0							
Pavement								
Asphalt	100%	4+	\$11,600	2024	\$579,800	4	\$8,100	
1	Cracks, E.	xtent : Ligh	nt, Area Affected : 5		,		, ,	
	Location	: Cracks A	And Small Potholes	At Easte	rn Approach			
Concrete	100%	4+	\$18,000	2032	* *	4	\$30,800	
		xtent : Ligh	at, Area Affected : 5				+,	
		: Random						
	Spalling, I	Extent : Lig	ht, Area Affected :	2%				
	Location	ı : At Joint	Of West Abutment					
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
	Corrosion	, Extent : L	ight, Area Affected	: 2%				
	Location	: Random						
Guide Railing								
Concrete	100%			2032	* *	4		
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%	4+	\$5,100	LIFE	* *			
	Cracks, E.	xtent : Ligh	nt, Area Affected : 2	2%				
	Location	: Random	Throughout, Craci	k At Nort	heast			

Maintenance \$ are aggregated over a ten-year period. Site 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 l	Repair	Futur	re Replacement	М	aintenance	
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%							
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	* *			
	Corrosion	, Extent : L	ight, Area Affected	: 5%				
	Location	ı : Random						
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	
	Cracks, E.	xtent : Ligh	t, Area Affected : 1	0%				
	Location	ı : Map Cro	icking At Southern	Sidewali	k, Random Cracks	Through	out Both	
Wearing Surface								
Concrete	100%	4+	\$56,000	2032	* *	5	\$81,100	
	Cracks, E.	xtent : Ligh	t, Area Affected : 2	%				
	Location	ı : Random						
Superstructure								
Deck,Structural								
Not Accessible	100%							
Primary Member								
Not Accessible	100%							
Secondary Member								
Not Accessible	100%							

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

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$194,200	\$579,800
Total	\$194,200	\$579,800
Importance Code C	\$194,200	\$579,800
Total	\$194,200	\$579,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$65,600		\$600	
Total	\$65,600		\$600	
Importance Code A	\$30,800		\$600	
Importance Code B	\$34,800			
Importance Code C				
Total	\$65,600		\$600	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals	400							
Not Accessible	100%							
Backwall	400							
Not Accessible	100%							
Brngs, Ancr Blts, Pads	1.000/							
Not Accessible	100%							
Footings	1.000/							
Not Accessible	100%							
Joint with Deck	400				de de			
Generic	100%	4+	\$14,900	LIFE	* *			
			derate, Area Affect	ted: 30%	•			
	Location	i : Along W	est Joint Header					
Mat (scour & erosion)	400							
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
Stem (breastwall)								
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$19,900	LIFE	* *			
		_	t, Area Affected : 5	⁵ %				
	Location	: Northea	st Corner					
Wingwalls								
Footings	400							
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	* *			
Approaches								
Pavement								
Asphalt	100%	4+	\$116,000	2026	\$579,800	4	\$8,100	
			t, Area Affected : 1	0%				
		ı : East App						
			Extent : Moderate, A	Area Affe	cted : 30%			
		ı : East App						
	Explana	tion : Unev	en Surface					
Concrete	100%	4+	\$36,100	2034	* *	4	\$61,700	
			nt : Light, Area Affe	ected : 5%	6			
	Location	i : Along W	est Joint Header					
	Spalling, I	Extent : Lig	ht, Area Affected :	5%				
	Location	ı : West Joi	int Header					
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Embankment								
Earth	100%			LIFE	* *			

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

^{**} 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	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches							
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Railings/Parapets							
Concrete	100% 4+	\$2,600	2034	* *			
	Spalling, Extent : Lig		2%				
	Location: Northwe	est Corner					
Steel	100%		LIFE	* *			
	Other Observation, I	Extent : Light, Area	Affected .	: 100%			
	Location : Through	out					
	Explanation: Chai	n Link Fence					
Sidewalks							
Concrete	100%		LIFE	* *			
ers							
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%						
eck Elements							
Curbs	100-1						
Concrete w/ Steel Face	100%		LIFE	* *			
Railings/Parapets	1000/	ф 20.20 °	2024		,	Φ1 3 103	
Concrete	100% 4+	\$28,200	2034	* *	4	\$12,400	
	Cracks, Extent : Ligh		!%				
	Location : North St	iae 					
Steel	100%		LIFE	* *	2-8	\$16,100	
	Other Observation, I		Affected .	: 100%			
	Location: Through						
~	Explanation: Chai	n Link Fence					
Sidewalks	1000/	ф.12.20°	2022	ela -l-	_	Φ4. 7 .4.00	
Concrete	100% 4+	\$42,200	2033	* *	5	\$15,100	
	Cracks, Extent : Ligh		170				
W	Location: Through	юит					
Wearing Surface	1000/		2020	* *	_		
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.

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

^{**} 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	
System Component Type	% of Fail Date Estimat Total (Years)	ted Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Superstructure				
Deck,Structural				
Not Accessible	100%			
Joints				
Not Accessible	100%			
Primary Member				
Not Accessible	100%			
Secondary Member				
Not Accessible	100%			

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$109,800	\$924,700
Total	\$109,800	\$924,700
Importance Code A	\$73,500	\$288,700
Importance Code B	\$36,300	\$288,700
Importance Code C		\$347,300
Total	\$109,800	\$924,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$135,100		\$66,300	
Total	\$135,100		\$66,300	
Importance Code A	\$62,600		\$29,900	
Importance Code B			\$29,000	
Importance Code C	\$72,500		\$7,400	
Total	\$135,100		\$66,300	



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

System Component Type % of Fail Date Estimated Cost Total (Years) Year Estimated Cost FY Cycle (Yrs)	Estimated Cost Pr	riority
Abutments		
Bridge Seat&pedestals		
Not Accessible 100%		
Other Observation, Extent : Light, Area Affected : 0%		
Location : South End		
Explanation: One Abutment Exists At This Bridge		
Backwall		
Not Accessible 100%		
Brngs, Ancr Blts, Pads		
Not Accessible 100%		
Footings		
Not Accessible 100%		
Joint with Deck		
Generic 100% 4+ \$36,300 LIFE **		
Leakage, Extent : Light, Area Affected : 50%		
Location: Random Locations		
Rust Stains, Extent : Light, Area Affected : 10%		
Location: Random Locations		
Other Observation, Extent : Moderate, Area Affected : 20%		
Location : At Sidewalk At End Of Abutment		
Explanation : Damaged/Misaligned Expansion Joint Membrane		
Mat (scour & erosion)		
Earth 100% LIFE **		
Pedestals		
Not Accessible 100%		
Stem (breastwall)		
Not Accessible 100%		
Walls		
Not Accessible 100%		
Wingwalls		
Footings		
Not Accessible 100%		
Mat (scour & erosion)		
Earth 100% LIFE **		
Piles		
Not Accessible 100%		
Walls		
Concrete 100% LIFE **		
Approaches		

Approaches

Maintenance \$ are aggregated over a ten-year period. Site 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	Curren	t Repair	Futur	e Replacement	Maintenance			
System Component Type	% of Fail Dat Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches								
Pavement	1000/	Φ. 200	2025	4257 000		Φ7.000		
Asphalt	100% 4+	\$5,200	2025	\$257,800	4	\$7,000		
	Location : Rando	ght, Area Affected : 1	1%					
			Affect of	. 1000/				
	Location: South	Extent : Light, Area	Ајјестей	. 100%				
	Explanation : Asp							
Compute	$\frac{Explanation : Asp}{100\% 4+}$		2033	* *	4	Φ <i>EE</i> 500		
Concrete		\$16,600 ght, Area Affected : 1			4	\$55,500		
	Location: Rando		. 70					
		m Locuitons Extent : Light, Area	Affected	. 100%				
	Location : North		Пусстей	. 10070				
	Explanation: Con							
Curbs	Expianation : Cor	icrete						
Concrete w/ Steel Face	100%		LIFE	* *				
		: Light, Area Affecte						
	Location : Rando							
Guide Railing								
Steel	100%		LIFE	* *	2-8	\$15,500		
Sidewalks								
Concrete	100%		LIFE	* *				
Piers								
Cap Beam	1000/	Ф22.000	T TEE	* *				
Concrete	100% 4+	\$22,000	LIFE	* *				
	Location : Pier 5	: Light, Area Affecte	a : 2%					
Dian Calama	Location . Fier 3							
Pier,Columns Concrete	100%		LIFE	* *				
Stem,Solid Pier	10070		LILE					
Concrete	100%		LIFE	* *				
Concrete		: Light, Area Affecte						
	Location : Pier 6							
		Extent : Light, Area	Affected	: 20%				
	Location : Pier 6		55					
	Explanation: Ma	p Cracks						
Brngs,Ancr Blts,Pads								
Steel	100% 4+	\$34,100	LIFE	* *	2-8	\$9,800		
		Light, Area Affected	l : 50%					
	Location : Throug	ghout						
Footings								
Not Accessible	100%							
Mat (scour & erosion)	1000							
Earth	100%		LIFE	* *				
Pedestals	1000/		TTPP	* *				
Concrete	100%		LIFE	~ *				
Piles	1000/							
Not Accessible	100%							

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

^{**} 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

ridge Structure	Curre	nt Repair	Future Replacement		M		
ystem Component Type	% of Fail Da Total (Year	ate Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements							
Curbs							
Concrete w/ Steel Face	100%		LIFE	* *			
Guide Railing	100-1			* *			
Steel	100%		LIFE	* *			
Railings/Parapets	1000/ 4	¢.c. 5 00	2022	* *	4	¢400	
Concrete	100% 4+	\$6,500 .ight, Area Affected : 1	2033	4. 4.	4	\$400	
	Location : Throi	0	070				
		Light, Area Affected :	10%				
	Location : Span		1070				
Steel	100%	<u>, </u>	LIFE	* *	2-8	\$4,600	
Steel		n, Extent : Light, Area			2-8	\$4,000	
	Location : East	_	Ајјестей	. 10070			
		eel Railing And Concr	ete Para	net. Steel Fence A	t East Sia	le	
Sidewalks	Explanation . St	cei Raining Tina Coner	ete Fara	pei. Bieei I ence III	i Easi Sia		
Concrete	100%		2029	* *	5	\$14,700	
Wearing Surface						+,,	
Concrete	100% 4+	\$31,700	2033	* *	5	\$89,500	
	Cracks, Extent : L	ight, Area Affected : 2				. ,	
	Location: Thro	ughout					
	Spalling, Extent:	Moderate, Area Affect	ted : 2%				
	Location: Scatte	ered Throughout					
Scupper							
Ductile Iron	100%		LIFE	* *			
perstructure							
Deck,Structural							
Concrete	100% 4+	\$73,500	LIFE	* *	5	\$32,100	
		: Moderate, Area Affe					
		Abutment End At Scu		_			
		n, Extent : Light, Area					
		ous Locations Through		s 2, 3, 4, Ana 0			
Joints	Explanation : St	ay In Place Forms Ren	novea				
Generic	100% 2-4	\$19,000	LIFE	* *			
Generic		Light, Area Affected :					
	Location : Span		2070				
	Location : Span 5 Missing/Damaged Seal, Extent : Moderate, Area Affected : 10%						
		4 Expansion Joint	,				
	=	n, Extent : Light, Area	Affected	: 50%			
	Location : Span		33 : 2126				
	Explanation : Se						
Primary Member							
Steel	100%		LIFE	* *	2-8	\$539,300	
		t : Light, Area Affecte	d: 10%				
	Location: Span	6					
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$451,700	

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

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
Total		\$1,157,300
Importance Code C		\$1,157,300
Total		\$1,157,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$37,000	\$200	\$35,100	\$3,700
Total	\$37,000	\$200	\$35,100	\$3,700
Importance Code A	\$6,100	\$200	\$200	
Importance Code C	\$30,900		\$34,900	\$3,700
Total	\$37,000	\$200	\$35,100	\$3,700



Maintenance \$ are aggregated over a ten-year period. Site 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	epair Future Replace		Replacement Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals Not Accessible	100%						
Backwall	10070						
Not Accessible	100%						
Brngs, Ancr Blts, Pads Not Accessible	100%						
Footings Not Accessible	100%						
Joint with Deck							
Steel	100% Cracks, Extent: Mod Location: Northwe		LIFE d : 10%	* *			
	Spalling, Extent: Me		ted · 10%				
		est And Southeast S					
	Other Observation, I	Extent : Light, Area	Affected	: 10%			
	Location: Northwe						
	Explanation : Vege	etation					
Mat (scour & erosion) Earth	100%		LIFE	* *			
Pedestals	100%		LIFE				
Not Accessible	100%						
Stem (breastwall)							
Not Accessible	100%						
Walls	1000/						
Not Accessible	100%						
Wingwalls Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Piles	1000/						
Not Accessible	100%						
Walls Not Accessible	100%						
Approaches	100/0						
Pavement							
Asphalt	100% 4+ Cracks, Extent : Ligh Location : Random	\$23,100 ht, Area Affected : I a Locations Through		\$1,157,300	4	\$18,600	
Curbs							
Concrete w/ Steel Face	100% Cracks, Extent : Ligh Location : East Ap		LIFE	* *			
	Rust Stains, Extent: Location: Through	Light, Area Affecte	d : 15%				
Embankment Earth	100%		LIFE	* *			

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

^{**} 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		nt Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Mat (scour & erosion)	400							
Earth	100%			LIFE	* *			
Railings/Parapets	1.000/		\$ < 100	2024	* *			
Concrete	100%	4+	\$6,100	2034	* *			
		_	t, Area Affected : 2					
			Locations Through					
		_	tht, Area Affected :					
		i : Kanaom	Locations Through					
Steel	100%			LIFE	**			
			Extent : Light, Area	Affected	: 100%			
		ı : Through						
-	Explana	tion : Steel	Panel Wall					
Sidewalks	400				de de			
Concrete	100%	4+	\$7,700	LIFE	* *			
			nt, Area Affected : 5					
	Location	ı : Random	Locations Through	rout				
Piers								
Cap Beam	1,000/							
Not Accessible	100%							
Pier, Columns	1000/							
Not Accessible	100%							
Stem, Solid Pier	1000/							
Not Accessible	100%							
Brngs,Ancr Blts,Pads Not Accessible	1,000/							
	100%							
Footings Not Accessible	100%							
	100%							
Mat (scour & erosion) Not Accessible	100%							
Pedestals	100%							
Not Accessible	100%							
Piles	100%							
Not Accessible	100%							
Deck Elements	100/0							
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
concrete wy steel I ace		s. Extent:	Light, Area Affecte					
		i : Through						
Median								
Concrete	100%			LIFE	* *	5	\$700	
Railings/Parapets								
Concrete	100%			2034	* *	4	\$600	
Steel	100%			LIFE	* *	2-8	\$5,300	
-		servation, E	Extent : Light, Area		! : 100%	-	, , , , , , ,	
		ı : Through						
			Panel Wall					

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

^{**} 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 Repa	ir Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated 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%					
	Other Observation, Exten	t : Light, Area Affected	! : 0%			
	Location:					
	Explanation: Material	Is Concrete				
Joints						
Not Accessible	100%					
Primary Member						
Not Accessible	100%					
Secondary Member						
Not Accessible	100%					

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

Area Sq Ft : 56,732 Project Type : WATERWAY BRIDGES

Date of Survey : 29-May-2014 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240089

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,184,200	\$1,331,700
Total	\$1,184,200	\$1,331,700
Importance Code A		\$933,900
Importance Code B	\$112,400	\$397,800
Importance Code C	\$1,071,800	
Total	\$1,184,200	\$1,331,700

Importance Code A				
Total	\$157,800	\$7,400	\$259,900	\$44,600
	· · · · · · · · · · · · · · · · · · ·	Ф7.400	· ,	\$44.600
Bridge Mechanical	\$122,600	, ,	\$125,700	, ,
Bridge Electrical	\$8,600	\$7,400	\$7,400	\$7,400
Bridge Structure	\$26,700		\$126,800	\$37,200
EXPENSE	FY 2017	FY 2018	FY 2019	FY 202



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

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

Asset #: 2468

Bridge Structure	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	e 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%		LIFE	* *			
Pedestals							
Concrete	100%		LIFE	* *			
Stem (breastwall)							
Concrete	100%		LIFE	* *			
Vingwalls							
Footings	400-						
Not Accessible	100%						
Piles	1000/						
Not Accessible	100%						
Walls	1,000/		LIEE	* *			
Granite	100%		LIFE				
eature Crossed Bank Protection							
Concrete	100% 2-4	\$1,071,800	LIFE	* *			
Concrete		evere, Area Affected					
		ncrete Bulkhead Un		3 On The Right Si	de Is Spo	alled On Rotting	
Riprap	100%		LIFE	* *			
Timber	100%		2033	* *			
Mat (scour & erosion) Not Accessible	100%						
Pier Protection							
Timber	10% 0-2	\$112,400	LIFE	* *			
		ments, Extent : Mod	erate, Ar	ea Affected : 20%			
	Location: Pier 3	& 5 Right Side Dolp	hins				
	Rotted, Extent: Mo	derate, Area Affecte	d: 20%				
	Location: Piers 3	& 5					
	Split/Dry/Cracked,	Extent : Moderate, A	rea Affe	cted : 20%			
	Location : Piers 3	& 5					
	Other Observation, Location : Piers 3	Extent: Moderate, A	Area Affe	cted : 10%			
	Explanation: Exh	ibits Impact Damag	e To Dol _l	ohins.			
Timber	90%		LIFE	* *			
		Extent : Light, Area		: 1%			
	Explanation : Nev	v Pier Protection.					

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.

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

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

Asset #: 2468

Bridge Structure	Current Repa	ir Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
approaches						
Pavement						
Asphalt	100%	2029	* *	4	\$80,000	
Curbs	1000/	* ***	* *			
Concrete w/ Steel Face	100%	LIFE	* *			
Guide Railing	1000/	LIEE	* *	2.0		
Steel Pavement Base	100%	LIFE		2-8		
Not Accessible	100%					
Sidewalks	10070					
Concrete	100%	LIFE	* *			
iers	10070	LILL				
Cap Beam						
Concrete	100%	LIFE	* *			
	Other Observation, Exten		1%			
	Location: Piers 6 & 7.	G . 33				
	Explanation : Concrete	Cap Beam				
Stem,Solid Pier		-				
Concrete	100%	LIFE	* *			
	Other Observation, Exten	t : Light, Area Affected .	1%			
	Location: Piers 1 - 3 &	5 Thru. 7.				
	Explanation: Concrete	Pier Stem				
Granite	100%	LIFE	* *			
	Other Observation, Exten	t : Light, Area Affected .	1%			
	Location: Pier 3 & 5.					
	Explanation : Granite F	acade.				
Brngs,Ancr Blts,Pads						
Elastomeric	100%	2055	* *			
	Other Observation, Exten	0 00	1%			
	Location: Piers 1 - 3 &					
	Explanation : Elastome					
Steel	100%	LIFE	* *	2-8		
	Other Observation, Exten	t : Light, Area Affected .	: 1%			
	Location: Piers 3, 4, 5.					
	Explanation : Steel Brgs	s. For Spans 4 & 5.				
Footings	1000/					
Not Accessible	100%					
Pedestals	1000/	r mer	* *			
Concrete Deck Elements	100%	LIFE	ጥ ጥ			
Curbs						
Concrete w/ Steel Face	100%	LIFE	* *			
Concrete w/ Steel Pace	Other Observation, Exten					
	Location: Spans 1 - 3 &					
	Explanation : Spans 1 -					
	T					
Guide Railing						

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

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

Asset #: 2468

Bridge Structure	Current Repair	Future	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Railings/Parapets						
Steel	75%	LIFE	* *	2-8	\$28,800	
	Other Observation, Extent: Light, Location: Spans 1 - 3 & 6 - 8.		- 1%			
	Explanation: Chain Link Fence	Both Sides				
Steel	25%	LIFE	* *	2-8	\$28,800	
	Other Observation, Extent: Light, Location: Spans 4 & 5.	Area Affected :	1%			
	Explanation: Chain Link Fence	And Pedestrian	Railing On Both	Sides.		
Sidewalks						
Concrete	100%	2035	* *	5	\$29,000	
	Other Observation, Extent: Light, Location: Spans 1 - 3 & 6 Thru.	8.	1%			
	Explanation: Spans 1 - 3 & 6 Th		de de			
Grating w/ Concrete	100% Other Observation, Extent: Light, Location: Spans 4 & 5.	2055 Area Affected :	**			
W : G C	Explanation: Spans 4 & 5.					
Wearing Surface Asphalt	100%	2030	* *	5	\$45,500	
uperstructure						
Deck,Structural	1000/	I IPP	* *	_	ф.co. 2 00	
Concrete	100%	LIFE		5	\$69,200	
	Other Observation, Extent: Light, Location: Spans 1, 3 & 6 Thru.		170			
	=					
	Explanation: Spans 1, 3 & 6 Th		* *			
Grating w/ Concrete	100% Other Observation, Extent: Light, Location: Spans 4 & 5. Explanation: Spans 4 & 5.	LIFE Area Affected :				
Joints	· · · · · · · · · · · · · · · · · · ·					
Steel	100%	LIFE	* *			
	Other Observation, Extent: Light, Location: Piers 3 & 5.	Area Affected :	1%			
	Explanation: Piers 3 & 5.					
Generic	100%	LIFE	* *			
	Other Observation, Extent : Light, Location : Piers 1, 2 & 6 Thru. 7		1%			
	Explanation: Piers 1, 2 & 6 Thr	и. 7.				

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

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

Asset #: 2468

Bridge Structure	Current Repai	r Futur	e Replacement	Maintenance				
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Superstructure								
Primary Member								
Concrete	100%	LIFE	* *	5				
	Other Observation, Extent	: Light, Area Affected	: 1%					
	Location: Span 2.							
	Explanation: Span 2.							
Steel	100%	LIFE	* *	2-8	\$1,579,800			
	Other Observation, Extent	: Light, Area Affected	: 1%					
	Location : Spans 1, 3 & 6	Thru. 8.						
	Explanation: Spans 1, 3	& 6 Thru. 8.						
Secondary Member								
Steel	100%	LIFE	* *	2-8	\$622,400			
	Other Observation, Extent : Light, Area Affected : 1%							
	Location: Spans 1, 3 & 6	Thru. 8.						
	Explanation: Spans 1, 3	& 6 Thru. 8.						
Movable Bridges								
Swing Span Truss								
Steel	100%	LIFE	* *					
Swing Span Pivot Pier								
Concrete	100%	LIFE	* *					

Bridge Electrical		Current Repair		Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estin (Years)	nated 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			
	Location	ervation, Extent : : Machinery Ro ion : Ups For Pl	om		ected : 20% And Is Bypassed.			
Control Console	<u> </u>	•						
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

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

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

Asset #: 2468

Bridge Electrical	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Da Total (Year	nte Estimated Cost (s)	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	400-		• • • •	de de			
Circuit Breaker	100%		2045	* *	1	\$6,700	
Transfer Switch	1000/		2045	de de			
Auto	100%		2045	* *			
Transformer	400-		• • • •				
Dry	100%		2045	* *			
Exterior Lighting							
Lighting Contactor	1000/		2045	* *	1	Φ7. 600	
Generic	100%		2045	* *	1	\$5,600	
Lighting Fixture	1000/		2025				
HID HID	100%		2025				
Ground/Lightning Protection							
Ground Bus	100%		2030	* *			
Copper Ground Rod	100%		2030				
Not Accessible	100%						
Ground Wire	100%						
Green	100%		2030	* *			
Lightning Terminals	100%		2030				
Copper Copper	100%		2025	\$1,300			
Interior Lighting	10070		2023	φ1,500			
Exit Lighting							
Battery Operated	100%		2030	* *			
Lighting Fixture	10070		2030				
Fluorescent	100%		2030	* *	1	\$5,600	
Navigation Lighting	10070		2030		-	ψ2,000	
Fender Lighting							
Incandescent	100%		2025		1	\$3,400	
Pier Lighting						7-,	
Incandescent	100%		2025		1	\$4,500	
Span Lighting						, ,	
Incandescent	100%		2025		1	\$2,300	
Raceway						, -, 0	
Box							
Terminal	100%		2035	* *	1	\$4,500	
Collector Ring							
Metal	100%		2035	* *			
Communications							
Twisted Shielded pair	100%		2025				

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

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

Asset #: 2468

Bridge Electrical	(Current Repair	Futur	e Replacement	M	aintenance	
System Component Type		ail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	

idge Mechanical		Current R	epair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ing								
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	
	Other Obse	ervation, Ex	tent : Light, Area	Affected	: 2%			
	Location	: End Lift						
	Explanat	ion : Minor	Oil Leakage. One	Wheel I	Does Not Have Ful	l Bearing	3	
Fuel Tanks								
Generic	100%			2045	* *			
Houses								
Control House	100%	Now	\$4,700	2065	* *			
	Other Obse	ervation, Ex	tent : Light, Area	Affected	: 2%			
	Location	: Bathroom	!					
	Explanati	ion : Plumb	ing For The Bath	room Red	quires Repair.			

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

^{**} 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 Mechanical	Current Ro	epair	Future R	Replacement	Ma	aintenance	
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year Es FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
wing							
Main Drive System							
Generic	50% Now Other Observation, Ex Location : Drive Mad	tent : Light, Area Af	2065 Fected : 2	**	2	\$179,600	
	Explanation : Pinion Gauge	Bearing Bolts Requ	ire Paint.	Secondary Red	lucers Do	Not Have Sight	
Generic	50%	-	2065	* *	2	\$224,500	
Structural Bearings							
Generic	100%		2040	* *			
Traffic Devices							
Barrier Gate	100%		2040	* *			
Warning Gate	100% Now	\$6,500	2040	* *			
C	Other Observation, Ex	tent : Light, Area Af	fected : 2	%			
	Location: Nw & Ne	Gate					
	Explanation: Two C	wt Arms Are Bent.					

^{**} 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

Area Sq Ft : 23,021 Project Type : WATERWAY BRIDGES

Date of Survey : 16-Jul-2008 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2231509

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$8,629,200	\$1,008,000
Total	\$8,629,200	\$1,008,000
Importance Code A	\$7,141,300	\$418,100
Importance Code B	\$480,200	\$418,100
Importance Code C	\$1,007,600	\$171,800
Total	\$8,629,200	\$1,008,000

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$38,100		\$84,400	
Total	\$38,100		\$84,400	
Importance Code A	\$4,900		\$42,500	
Importance Code B			\$41,900	
Importance Code C	\$33,200			
Total	\$38,100		\$84,400	



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 4214

ridge Structure		Current Repair	Future	Replacement	Maintenance	
ystem Component Type		Fail Date Estimated Cost (Years)	t Year FY	Estimated Cost	Cycle Estimated Cost (Yrs)	Priority
outments	•		•			-
Bridge Seat&pedestals						
Not Accessible	100%					
		rvation, Extent : Light, Are	ea Affected	: 0%		
	Location :					
	Explanation	on : The Bridge Abutments	Were Reha	ibilitated Since La	ist Inspection.	
Backwall	1000/					
Not Accessible	100%					
Brngs,Ancr Blts,Pads Not Accessible	100%					
	100%					
Footings Not Accessible	100%					
Mat (scour & erosion)	100%					
Riprap	100%		LIFE	* *		
Pedestals	10070		LIIL			
Not Accessible	100%					
Stem (breastwall)	10070					
Concrete	100%	4+ \$270,100	LIFE	* *		
Compress		inforcement, Extent : Light		cted : 2%		
	Location :					
	Spalling, Ex	ctent : Light, Area Affected	: 2%			
	Location :	Random				
ingwalls						
Footings						
1 ooungs						
Not Accessible	100%					
	Other Obse	rvation, Extent : Light, Are	ea Affected	: 0%		
	Other Obse Location :					
Not Accessible	Other Obse Location :				st Inspection.	
Not Accessible Mat (scour & erosion)	Other Obse Location : Explanation		were Reha	bilitated Since La	st Inspection.	
Not Accessible Mat (scour & erosion) Earth	Other Obse Location :				st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles	Other Obse Location : Explanation		were Reha	bilitated Since La	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible	Other Obse Location : Explanation		were Reha	bilitated Since La	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls	Other Obse Location: Explanation 100%		LIFE	bilitated Since La **	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete	Other Obse Location: Explanation 100% 100%	on : The Bridge Wingwalls	LIFE	**	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls	Other Obse Location: Explanation 100% 100% 50%	on : The Bridge Wingwalls 4+ \$96,300	LIFE LIFE LIFE	** ** **	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re	on : The Bridge Wingwalls 4+ \$96,300 inforcement, Extent : Mode	LIFE LIFE LIFE	** ** **	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location:	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Mode	LIFE LIFE LIFE LIFE erate, Area	** ** **	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location: Spalling, Exposed	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE LIFE LIFE erate, Area	** ** **	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location: Spalling, Exposed	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Mode	LIFE LIFE LIFE LIFE erate, Area	** ** **	st Inspection.	
Not Accessible Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete ature Crossed	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location: Spalling, Exposed	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE LIFE LIFE erate, Area	** ** **	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete ature Crossed Bank Protection	Other Obse Location: Explanation: 100% 100% 50% 50% Exposed Re Location: Spalling, Ex	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE LIFE LIFE erate, Area	** ** **	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete Bank Protection Riprap	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location: Spalling, Exposed	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE LIFE LIFE erate, Area	** ** ** Affected: 2%	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete Bank Protection Riprap Mat (scour & erosion)	Other Obse Location: Explanation: 100% 100% 50% 50% Exposed Re Location: Spalling, Ex Location:	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE LIFE erate, Area	** ** ** Affected: 2%	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete Ature Crossed Bank Protection Riprap Mat (scour & erosion) Stream Bed	Other Obse Location: Explanation: 100% 100% 50% 50% Exposed Re Location: Spalling, Ex	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE LIFE LIFE erate, Area	** ** ** Affected: 2%	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete Autre Crossed Bank Protection Riprap Mat (scour & erosion) Stream Bed Pier Protection	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location: Spalling, Ex Location: 100%	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Mode Beginning Abutment stent: Moderate, Area Affe Beginning Abutment	LIFE LIFE LIFE erate, Area	** ** ** Affected: 2%	st Inspection.	
Mat (scour & erosion) Earth Piles Not Accessible Walls Concrete Concrete Ature Crossed Bank Protection Riprap Mat (scour & erosion) Stream Bed	Other Obse Location: Explanation 100% 100% 50% 50% Exposed Re Location: Spalling, Ex Location: 100% 100%	on: The Bridge Wingwalls 4+ \$96,300 inforcement, Extent: Model Beginning Abutment stent: Moderate, Area Affe	LIFE LIFE erate, Area LIFE LIFE LIFE LIFE LIFE	** ** ** Affected: 2%	st Inspection.	

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

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

Asset #: 4214

Bridge Structure	Current Repair	Future Replacement	M	Maintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Approaches Pavement Asphalt	100% 4+ \$10,50 Cracks, Extent : Light, Area Affecte Location : Along Center Line And	d:5%	4	\$7,900	
Curbs Concrete	100% 4+ \$1,30 Cracks, Extent: Light, Area Affecte. Location: Random Old Repair, Extent: Light, Area Aff Location: Random Spalling, Extent: Light, Area Affect Location: Random	d : 2% ected : 5%			
Embankment Generic	100%	LIFE **			
Guide Railing Steel	100% 4+ \$3,00 Damaged Railing, Extent: Light, And Location: Random	00 LIFE **	2-8	\$5,300	
Mat (scour & erosion)					
Earth	100%	LIFE **			
Pavement Base Not Accessible	100%				
Sidewalks Asphalt	100% 4+ \$2,00 Spalling, Extent : Light, Area Affect Location : Random		4	\$1,200	
iers Cap Beam					
Concrete	100% 4+ \$59,00 Cracks, Extent: Light, Area Affecter Location: Random Exposed Reinforcement, Extent: Lig Location: Random Other Observation, Extent: Severe, Location: Piers Explanation: The Bridge Pier Cap	d : 2% ght, Area Affected : 1% Area Affected : 100%		ction.	
Pier,Columns					
Concrete	100% Other Observation, Extent: Modera Location: Pier Columns Explanation: The Bridge Pier Co			spection.	
Brngs,Ancr Blts,Pads				-	
Not Accessible	100%				
Footings Not Accessible	100%				
Mat (scour & erosion) Not Accessible	100%				

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

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

Asset #: 4214

Bridge Structure	Current Repair	Futur	Future Replacement		Maintenance	
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ers						
Pedestals						
Concrete	100% Other Observation, Extent : Moderate, Location : Pier Pedestals Explanation : The Bridge Piers Pede			ce Last I	inspection.	
eck Elements						
Curbs	400-	• • • • •				
Concrete	100% Old Repair, Extent : Light, Area Affect Location : Random	2039 ed : 5%	* *			
Guide Railing						
Steel	100%	LIFE	* *			
Median	0.50/	LIEE	ታ ታ	~	Φ2 000	
Concrete	95% 5% 4+ \$700	LIFE	* *	5	\$2,000	
Concrete	5% 4+ \$700 Old Repair, Extent : Light, Area Affector Location : Random Spalling, Extent : Light, Area Affected Location : Throughout			5	\$2,000	
Railings/Parapets	Ü					
Steel	100% 4+ \$36,900 Corrosion, Extent : Light, Area Affecte Location : Random	LIFE d : 10%	* *	2-8	\$11,200	
Sidewalks						
Concrete	100% 4+ \$3,400 Cracks, Extent: Light, Area Affected: Location: Right And Left Sidewalks	2024 5%	\$171,800	5	\$1,300	
Wearing Surface						
Asphalt	100% 4+ \$17,200 Cracks, Extent: Light, Area Affected: Location: Over Piers And At Abutme Old Repair, Extent: Light, Area Affect Location: Over Pier	ents	\$344,800	5	\$14,200	
uperstructure						
Deck,Structural	1000			_	***	
Concrete	100% Other Observation, Extent: Moderate, Location: Underside Explanation: The Bridge Deck Was I			5 pection	\$23,200	
Joints	Expunction . The Druge Deck was I		nea since Easi msp	,cenon.		
Not Accessible	100% Other Observation, Extent: Light, Area Location: Explanation: Joints Paved Over	a Affected	! : 100%			

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

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

Asset #: 4214

Bridge Structure		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Primary Member								
Steel	80%			LIFE	* *	2-8	\$390,400	
Steel	20%	4+	\$7,045,500	LIFE	* *	2-8	\$390,400	
	Corrosion	Extent : L	ight, Area Affected	: 30%				
	Location	:						
Secondary Member								
Steel	90%			LIFE	* *	2-8	\$327,100	
Steel	10%	4+	\$72,900	LIFE	* *	2-8	\$327,100	
	Corrosion	Extent : L	ight, Area Affected	: 30%				
	Location	: Random						

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$4,572,600	\$1,545,600
Bridge Electrical	\$2,600,700	\$5,389,500
Bridge Mechanical	\$3,669,200	
Total	\$10,842,400	\$6,935,100
Importance Code A	\$4,206,200	\$753,500
Importance Code B	\$6,269,800	\$5,766,300
Importance Code C	\$366,300	\$415,300
Total	\$10,842,400	\$6,935,100

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$51,300	\$6,000	\$114,800	
Bridge Electrical	\$86,800			
Bridge Mechanical	\$32,000			
Total	\$170,100	\$6,000	\$114,800	
Importance Code A	\$500		\$77,000	
Importance Code B	\$137,000		\$37,800	
Importance Code C	\$32,600	\$6,000		
Total	\$170,100	\$6,000	\$114.800	



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

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

Asset #: 2558

Bridge Structure	Current Repair	Future Replacement Maintenance								
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estimate FY		Cycle Estimated Cost (Yrs)	Priority					
butments Bridge Seat&pedestals Not Accessible	100%									
	Other Observation, Extent: Light, A Location: North Abutment - Mta Explanation: North Abutment - M	Track. South Abutment								
Backwall				JJ						
Granite	100%	LIFE	* *							
	Other Observation, Extent : Light, A	Area Affected : 1%								
	Location : Begin Abutment	30								
	Explanation : Begin Abutment									
Not Accessible	100%									
1 (of 7 leeessiole	Other Observation, Extent : Light, A	Area Affected : 0%								
	Location : North Abutment - Mta									
	Explanation : North Abutment - M									
Brngs,Ancr Blts,Pads										
Not Accessible	100%									
	Other Observation, Extent : Light, Area Affected : 0%									
	Location: North Abutment - Mta	•••	- Fenced	Off Area.						
	Explanation: North Abutment - M									
Footings	1			33						
Not Accessible	100%									
Joint with Deck										
Steel	100%	LIFE	* *							
	Other Observation, Extent : Light, A	Area Affected : 1%								
	Location: End Abutment									
	Explanation: End Abutment									
Generic	100%	LIFE	* *							
	Other Observation, Extent : Light, A									
	Location : Begin Abutment	••								
	Explanation : Begin Abutment									
Mat (scour & erosion)										
Earth	100%	LIFE	* *							
Pedestals										
Concrete	90%	LIFE	* *							
Concrete	10% 2-4 \$50	00 LIFE	* *							
	Exposed Reinforcement, Extent: Mo	oderate, Area Affected :	20%							
	Location : End Abutment Center F	Pedestal								
	Spalling, Extent : Moderate, Area A	ffected : 2%								
	Location : End Abutment Center F	Pedestal								
Stem (breastwall)										
Concrete	100%	LIFE	* *							
Walls										
Not Accessible	100%									
Vingwalls										
Footings										
Not Accessible	100%									

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

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

Asset #: 2558

Bridge Structure	Current Repair			Futur	e Replacement	M			
System Component Type		l Date Es 'ears)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Vingwalls									
Mat (scour & erosion)	1000/				ate ate				
Earth	100%			LIFE	* *				
Walls	1000/		¢221 200	LIDE	* *				
Concrete		2-4 t: Liabt A	\$231,300 rea Affected : I	LIFE					
			rea Affectea . 1 End Abutments	0/0					
			erate, Area Aff	octod · 50	6				
			nent Left Side.	:ciea . 57	o .				
			Area Affected :	20%					
			End Abutments	2070					
			nt : Light, Area	Affected	: 20%				
	Location : B			33					
eature Crossed									
Bank Protection									
Concrete	100%	4+	\$12,700	LIFE	* *				
	Spalling, Exte	nt : Light, .	Area Affected :	5%					
	Location : N	orth Bank							
Riprap	75%			LIFE	* *				
Riprap	25%)-2	\$3,500	LIFE	* *				
		Erosion, Extent : Moderate, Area Affected : 40% Location : Missing Riprap Causing Erosion Of Earth Near Begin Abutment							
	Location : M	lissing Rip	rap Causing Er	osion Of	Earth Near Begin	Abutmen	t		
Timber	100%			2030	* *				
Mat (scour & erosion) Not Accessible	100%								
Pier Protection									
Timber	80%			LIFE	* *				
Timber		4+	\$18,200	LIFE	* *				
			e, Area Affecte						
	Location : P	iers I & 2	Top Of Dolphin	n Piles.					
pproaches									
Pavement Asphalt	100%			2030	* *	4	\$18,100		
Curbs	100%			2030		- 4	\$10,100		
Concrete w/ Steel Face	100%			LIFE	* *				
Embankment	10070			LIIL					
Earth	100%			LIFE	* *				
Mat (scour & erosion)	10070								
Earth	100%			LIFE	* *				
Sidewalks									
Concrete	100%			LIFE	* *				
iers									
Footings									
Not Accessible	100%								
			nt : Light, Area	Affected	: 0%				
	Location : P								
	Explanation	: Piers 1 d	& 2.						

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

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

Asset #: 2558

ridge Structure	Current Repair	Future	Replacement	M					
stem Component Type	% of Fail Date Estim Total (Years)	ated Cost Year I	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit			
rs	-	<u>'</u>							
Mat (scour & erosion)									
Not Accessible	100%								
Pedestals									
Concrete	100%	LIFE	* *						
	Other Observation, Extent:	Light, Area Affected :	1%						
	Location: Piers 1 & 2.								
-	Explanation: Piers 1 & 2.								
ck Elements									
Curbs	1000/	LIDE	* *						
Steel	100%	LIFE	* *						
Gratings	1000/	THE	* *						
Steel	100% Other Observation Extent:	LIFE							
	Other Observation, Extent:	Lignī, Area Affectea :	1%						
	Location: Span 2	Cidou alla Dotano an Tana	aa Mambana						
Median	Explanation: Grating On S	Siaewaik Between 1 ru	ss Members						
Steel	100%	LIFE	* *	4-8	\$41,200				
Mono Deck Surface	100%	LIFE		4-0	\$41,200				
Concrete	90%	2045	* *	5	\$186,000				
Concrete	10% 4+	\$2,400 2045	* *	5	\$93,000				
	Cracks, Extent : Moderate, A	' '		3	Ψ/3,000				
	Location: Spans 1 & 3								
Railings/Parapets	1								
Steel	33%	LIFE	* *	2-8	\$20,700				
	Other Observation, Extent:		1%		, -,				
	Location: Span 2								
	Explanation : Steel Railing	And High Fence On I	Each Side.						
Steel	67%	LIFE	* *	2-8	\$20,700				
	Other Observation, Extent:		1%		, ,				
	Location: Spans 1 & 3								
	Explanation : Steel Railing	On Each Side.							
Sidewalks									
Grating w/ Concrete	100%	2045	* *						
Wearing Surface									
Concrete	90%	2034	* *	5	\$84,100				
Concrete	10% 4+	\$3,000 2034	* *	5	\$42,000				
	Cracks, Extent: Moderate, A	Area Affected : 10%							
	Location: Spans 1 & 3								
Steel Grating	90%	LIFE	* *	5	\$72,600				
	Other Observation, Extent:	Light, Area Affected :	1%						
	Location: Span 2								
	Explanation: Span 2								
Steel Grating	10% Now	\$11,000 LIFE	* *	5	\$72,600				
	Broken, Missing Pave, Exten	t : Moderate, Area Aff	ected : 10%						
	Location: Pier 2								

Superstructure

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

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

Asset #: 2558

Bridge Structure	Current Repair	Future Replacement	Maintenance							
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs) Priority							
Superstructure										
Deck,Structural										
Concrete	100%	LIFE **	5 \$14,300							
Joints										
Steel	100%	LIFE **	•							
	Other Observation, Extent : Light, Are	ea Affected : 1%								
	Location: Pier 2									
	Explanation: Pier 2									
Steel Finger Joints	100%	2053 **	•							
	Other Observation, Extent : Light, Are	ea Affected : 1%								
	Location: Pier 1									
	Explanation : Pier 1									
Primary Member										
Steel	90%	LIFE **	2-0 \$703,700							
Steel	10% 4+ \$950,100		\$703,700							
	Corrosion, Extent : Moderate, Area Affected : 20% Location : Spans 1 & 3 Stringers Below The Joints At Abutments And Piers.									
	•									
	Loss of Section, Extent : Moderate, Ar									
	Location: Spans 1 & 3 Stringers Be	low The Joints At Abutments	s And Piers.							
Secondary Member	400-1									
Steel	100%	LIFE **	2-8 \$589,500							
Movable Bridges										
Vertical Lift Span	0.504	X XXXX	_							
Steel	85%	LIFE **								
Steel	10% 2-4 \$1,083,600		•							
	Other Observation, Extent : Severe, A.	rea Affected : 15%								
	Location: Span 2									
	Explanation: Random Areas Of Cor									
Steel	5% Now \$1,083,600		•							
	Other Observation, Extent : Severe, A.	rea Affected : 15%								
	Location: Span 2									
	Explanation : Span 2 Has 17 Flagge	ed Locations.								
Vertical Lift Tower										
Steel	100%	LIFE **	•							
Vertical Lift Pier										
Concrete	80%	LIFE **								
Concrete	20% 4+ \$1,089,000		•							
	Other Observation, Extent : Moderate	==								
	Location: Piers 1 And 2 Cap Beams									
	Explanation: Cracks And Spalls									

Bridge Electrical	Current Repair			Future Replacement Maintenance			aintenance	
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.

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

^{**} 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 Electrical		Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications	400		** * ** * * * * * * * * * * * * * * *					
Generic	100%	Now	\$34,500	2025	\$34,500			
			Extent : Severe, Are	a Affecte	d : 100%			
		: Entire B	O	A 1 I				
Control System Floatrical	Expiana	non : 100%	6 System Obsolete	Ana Inop	erative.			
Control System Electrical Control Console								
Stainless Steel	100%	Now	\$18,300	LIFE	* *			
Stanness Steel			Extent : Light, Area		. 20%			
			Override Switches	Пуссиси	. 2070			
			Covers To Override	Switche	s Missing Some In	dication	Lights Not	
	Function	-	sovers to override	Switche	s missing. Some in	ancanon	Lights 110t	
Disconnect Switch								
Generic	100%			2023	\$68,900			
Limit Switch								
Generic	100%			2023	\$127,200			
Electrical Power								
Dist Equip & Motor Control	11							
Generic	100%	Now	\$718,600	2023	\$3,592,800			
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 100%			
	Location	: Motor C	ontrol Center					
	Explana	tion : Bridg	ge Not Operable Di	ie To Co	ntrol System Issue.	s.		
Raceway								
Submarine Control Cables								
Generic	100%	2-4	\$1,660,900	2030	* *			
			Extent : Moderate, A	Area Affe	ected : 50%			
			ne Cable Cabinets					
	Explana	tion : No S	pares Remaining. (Conducto	rs Fail Randomly.			
Wiring								
Generic	100%			2023	\$1,600,600			
Γraffic System Electrical								
Traffic Signal	1.000/		#22 000	2020	Φ1.CO. COO.			
Generic		Now		2020	\$169,600			
			Extent : Light, Area	Affected	: /3%			
	Location		10 117			. ,		
Ctatuta.	Explana	tion : Unde	erground Conduit L	v amaged	Gongs Not Opera	tional.		
Lighting Davises								
Lighting Devices	1000/	No	¢51 (00	2020	* *			
Generic	100%	Now	\$51,600	2029				
			Extent : Light, Area	А∏есіеа	: 30%			
		: West Lig		a Finter	a Ia Miaair a			
	Explana	uon : Ine I	Entire Span Lightin	g r ixture	e is missing.			

Bridge Mechanical	Current Repair			Futur	e Replacement	M		
System Component Type		Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Vertical Lift

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

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

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

Asset #: 2558

ridge Mechanical		Current F	Repair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ertical Lift								
Buffers								
Generic	100%		\$32,000	2028	**			
			Extent : Moderate, A	Area Affe	ected : 20%			
		ı : Air Buffe			D CC 1 C. 11	77 D	*.* ***	
	-		Broken Fittings, O Have Not Worked I			n Up Pos	ition. Upper	
Counter Weight Ropes & Gu	Dujjers 1	арреат 101	Tave Not Workea I	i some 1	ime			
Generic Generic	100%	Now	\$83,100	2040	* *			
Generic			Extent : Moderate, A		cted : 10%			
		ı : Ropes Ai		33				
	Explana	tion : No O	peration Observed.	North S	pan Guide Rails B	ent. Pige	on Droppings	
	And Acc	umulated L	Debris.					
Counter Weight								
Auxiliary CTRWT	100%			2040	* *			
Main CTRWT	100%	0-2	\$81,500	2040	**			
			Extent : Moderate, A	Area Affe	cted : 25%			
			Counterweight	:1.1 - T	Official Terror	I C	C	
			n Tower Not Access And Debris.	юіе. 10р	OJ Souin Tower E	ias some	Coverage Of	
Elevators								
Generic	100%	Now	\$281,300	2028	* *			
			Extent : Severe, Ared	a Affecte	d : 100%			
			nd South Elevators.					
	Explana	tion : Both	Elevators Are Not	Operatio	onal.			
Emergency Drive	400			• • • • •				
Emergency Power	100%			2040	**			
			Extent : Light, Area	Affected	: 100%			
		i : Emergen	•					
End Locks	Ехріапа	uon . No O	peration Observed.					
With Motor	100%	Now	\$89,200	2040	* *			
With Motor			Extent : Moderate, A		cted : 10%			
		ı : Span Lo						
		•	Iotor Coupling Not	Aligned	, Damaged Seals,	Missing S	Shaft End Covers,	
			Iotor Feet, Adj Req					

DEPARTMENT OF TRANSPORTATION - 841 BROADWAY BRIDGE BROADWAY BRIDGE/HARLEM RIVER

ridge Mechanical	Current Repair Future Replacement Maintenance
rstem Component Type	% of Fail Date Estimated Cost Total (Years)
rtical Lift	
Houses	
Access Ways	100% Now \$63,600 2028 **
	Other Observation, Extent: Moderate, Area Affected: 80%
	Location : All Areas
	Explanation: Access Ways Are Covered In Pigeon Droppings.
Control House	100% Now \$44,800 2028 **
	Other Observation, Extent : Light, Area Affected : 5% Location : Control House
	Explanation: Plumbing Not Working. Broken Window.
Maahinam Daam	
Machinery Room	100% Now \$155,800 2040 ** Other Observation, Extent: Light, Area Affected: 20%
	Location : South Machine Room, North Machine Room Not Accessible
	Explanation: South Machine Room - Broken Window And Corner Room Covered In Pigeon
	Droppings. North Tower Not Accessible
Main Drive System	0
Generic	100% Now \$771,900 2040 **
	Other Observation, Extent: Moderate, Area Affected: 20%
	Location: South Machine Room, North Not Accessible
	Explanation: Not Operational. South Tower Sheave Rooms Covered In Pigeon Droppings And One Motor Brake Is Not Functioning.
Sheaves	
Generic	100% 4+ \$883,900 2040 **
	Other Observation, Extent: Moderate, Area Affected: 5%
	Location: South Machinery Room, North Not Accessible
	Explanation: Sheave Rooms Covered In Pigeon Droppings. No Operation Observed. Check During Operation
Structural Bearings	2 0
Generic	100% Now \$36,500 2028 **
	Other Observation, Extent : Moderate, Area Affected : 10%
	Location: Southwest
	Explanation: Movement At Live Load Support Under Traffic Loading.
Traffic Devices	
Barrier Gate	100% Now \$812,100 2028 **
	Other Observation, Extent: Severe, Area Affected: 50%
	Location: Barrier Gates Explanation: South Not Paguings Adjustment, North Gate Not Missing, Panairs Paguing
Wamin - Cata	Explanation: South Net Requires Adjustment. North Gate Net Missing. Repairs Required 100% Now \$365,300, 2040 **
Warning Gate	100% Now \$365,300 2040 ** Other Observation, Extent: Severe, Area Affected: 100%
	Location : Warning Gates
	Explanation: All Gates Are Not Functioning, Crash Trucks Are Used Instead. Some
	Pedestrian Arm Missing.

^{**} 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 : 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
Total	\$960,900	\$379,400
Importance Code A	\$288,300	
Importance Code B	\$546,600	
Importance Code C	\$126,100	\$379,400
Total	\$960,900	\$379,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$43,500		\$800	
Total	\$43,500		\$800	
Importance Code A	\$4,900		\$800	
Importance Code C	\$38,600			
Total	\$43,500		\$800	



Maintenance \$ are aggregated over a ten-year period. Site 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	Cı	ırrent Repair	Futur	e Replacement	М	aintenance	
System Component Type		Date Estimated Cost (ears)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals							
Not Accessible	100%						
Backwall	1000/						
Not Accessible	100%						
Brngs,Ancr Blts,Pads Not Accessible	1000/						
	100%						
Footings Not Accessible	100%						
Joint with Deck	10070						
Generic	100%		LIFE	* *			
Mat (scour & erosion)	10070		Dir D				
Earth	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Stem (breastwall)							
Not Accessible	100%						
Walls							
Not Accessible	100%						
Wingwalls							
Footings	1000/						
Not Accessible	100%						
Mat (scour & erosion) Earth	100%		LIFE	* *			
Piles	100%		LIFE				
Not Accessible	100%						
Walls	10070						
Concrete	2%	4+ \$3,300	LIFE	* *			
Concrete		t : Light, Area Affected : 2					
		outheast Wall					
Concrete	98%		LIFE	* *			
Feature Crossed	7070		Dir D				
Bank Protection							
Timber	100%	4+ \$126,100	2029	* *			
	Broken/Missin	g Elements, Extent : Ligh	t, Area Aj	ffected : 50%			
	Location: B	oth Abutments					
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Pier Protection							
Timber		4+ \$546,600	LIFE	**			
		g Elements, Extent : Ligh	t, Area Aj	tfected : 50%			
Approaches	Location : B	oth Abutments					

Approaches

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

^{**} 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 l	Repair	Futur	re Replacement	M		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement	1000/	4	Φ 7 . (00	2025	¢270.400	4	¢4.000	
Asphalt	Location	Extent : Ligh n : South A _l	-		\$379,400	4	\$4,800	
		Extent : Lig n : North A _l	ht, Area Affected : oproach	3%				
Curbs			•					
Concrete w/ Steel Face	100%	1		LIFE	* *			
Embankment								
Earth	100%			LIFE	* *			
Mat (scour & erosion)	1000/			LIDE	* *			
Earth Dailings/Paranets	100%	1		LIFE	* *			
Railings/Parapets Steel	100%	4+	\$4,900	LIFE	* *			
Steel			ight, Area Affected					
		n : Through	-	. 10,0				
		_	Extent : Light, Area	a Affecte	d : 10%			
	_		pproach, East Side	55				
			- Extent : Light, Area	Affected	! : 100%			
		n : South A _l						
	Explana	ition : Steel	Railing Located O	nly At So	outh Approach			
Sidewalks								
Concrete	100%		\$16,800	LIFE	* *			
			ight, Area Affected					
			nd North Approach					
			ht, Area Affected :					
	Location	n : South Ai	nd North Approach	es				
Piers								
Cap Beam Not Accessible	100%							
Pier,Columns	100%							
Not Accessible	100%							
Stem, Solid Pier	10070	<u> </u>						
Not Accessible	100%							
Brngs, Ancr Blts, Pads	10070							
Not Accessible	100%							
Footings								
Not Accessible	100%							
Pedestals								
Not Accessible	100%	ı						
Deck Elements								
Curbs	400							
Concrete w/ Steel Face	100%			LIFE	* *			

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

Bridge Structure	Current Repair Fu			e Replacement	aintenance		
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements							
Gratings							
Steel	100% 0-2	\$206,700	LIFE	* *			
	Broken/Missing Elen						
	Location: Broken						
	Other Observation, E	Extent : Light, Area	Affected	: 80%			
	Location : Deck						
	Explanation: 80 Pe	ercent Of Deck Is S	teel Grat	ing Only			
Guide Railing							
Steel	100%		LIFE	* *			
Median							
Steel	100%		LIFE	* *	4-8		
Mono Deck Surface	4000: 5 (h 00-	26.4.4		_	4.7 00-	
Grating w/ Concrete	100% 2-4	\$11,000	2044	* *	5	\$15,900	
	Other Observation, E		Area Affe	cted : 15%			
	Location : Through						
	Explanation : Crac	ks And Spalling					
Steel Grating	100%		2044	* *			
	Other Observation, E		Affected	: 100%			
	Location : Through						
	Explanation : Repa	ir Is Accounted Fo	r In Steel	Grating Compone	ent Above	?	
Railings/Parapets	400-1	404 400			• •		
Steel	100% 4+	\$81,600	LIFE	* *	2-8	\$21,200	
	Corrosion, Extent : I		1: 10%				
	Location: Through		1 100/				
	Rust Stains, Extent:		d: 10%				
	Location: Through		A CC . 1	1000/			
	Other Observation, E		Affected	: 100%			
	Location: Through						
,,	Explanation : Safet	y Steel Fence					
aperstructure							
Deck,Structural	1.000/						
Not Accessible Joints	100%						
Generic	100%		LIFE	* *			
Primary Member	100/0		LII L				
Not Accessible	100%						
1.0011000001010	Other Observation, E	Extent : Light, Area	Affected	: 0%			
	Location : Through		33 . 2.2.00				
	Explanation: Bird	Nesting					
Secondary Member	Explanation: Bird	Nesting					

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

^{**} 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 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$3,124,800	\$1,995,300
Total	\$3,124,800	\$1,995,300
Importance Code A	\$2,018,300	\$635,000
Importance Code B	\$887,400	\$574,500
Importance Code C	\$219,100	\$785,800
Total	\$3,124,800	\$1,995,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$148,900	\$2,200	\$122,300	\$9,100
Total	\$148,900	\$2,200	\$122,300	\$9,100
Importance Code A	\$45,300		\$64,700	
Importance Code B	\$29,600		\$57,600	
Importance Code C	\$73,900	\$2,200		\$9,100
Total	\$148,900	\$2,200	\$122,300	\$9,100



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

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

Asset #: 2470

Bridge Structure	Current Repair Future Replacement Maintenance						
System Component Type	% of Fail Total (Ye	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments							
Bridge Seat&pedestals							
Not Accessible	100%						
Backwall	1000/						
Not Accessible	100%						
Brngs,Ancr Blts,Pads Not Accessible	100%						
Footings Not Accessible	100%						
Joint with Deck							
Steel	50%	**	LIFE	* *			
Steel	50% 4-	' '	LIFE	* *			
		Moderate, Area Affect Jacent To Joints At Both		t a			
		: Light, Area Affected :		ıs			
		iacent To Joints At Both		ts			
	-	ion, Extent : Light, Area					
	Location : Thr	_	33				
	Explanation:	These Repairs Are Spec	cific To Th	e Concrete Heade	r		
Mat (scour & erosion)							
Riprap	100%		LIFE	* *			
Pedestals							
Not Accessible	100%						
Stem (breastwall) Masonry	100% 4- Cracks, Extent : Location : Bot	Moderate, Area Affect	LIFE ed : 5%	* *			
	Efflorescence, E Location : Bot	Extent : Moderate, Area th Abutments	Affected :	5%			
		ss/Erod, Extent : Moder teriorated Joint Mortar					
ingwalls Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Riprap	100%		LIFE	* *			
Piles Not Accessible	100%						
Walls							
Masonry	100% 4- Cracks, Extent : Location : Bot	Moderate, Area Affect	LIFE ed : 10%	* *			
	Location: Bot						
	Joint Motar Mis Location : Bot	ss/Erod, Extent : Light, A th Abutments	Area Affeo	cted : 20%			
	Misaligned/Bulg Location : Bot	ging, Extent : Light, Are th Abutments	ea Affected	l : 20%			

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

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

Asset #: 2470

ridge Structure	Curr	Current Repair Future Replacement				Maintenance		
vstem Component Type	% of Fail I Total (Yea	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit	
ature Crossed Bank Protection Riprap		on, Extent : Moderate, dom Locations Throug Vegetation		* * rted : 2%				
Mat (scour & erosion) Generic	100%	Ü	LIFE	* *				
Pier Protection Timber	Location : Cen	ed, Extent : Light, Area ter Pier						
	Location : Cen	on, Extent : Light, Ared ter Pier Timber Fender At Cent						
proaches								
Pavement Asphalt Asphalt		\$26,100 Light, Area Affected : dom Locations Throug		\$261,100 \$87,000	4 4	\$6,600 \$4,400		
	Location: Mia	on, Extent : Light, Ared dle Of East Approach Uneven Surface	a Affected :	25%				
Curbs Concrete w/ Steel Face		\$9,900 nt : Moderate, Area Afj teel Fencing And Ranc						
Embankment								
Earth	100% 4+ Erosion, Extent Location : Loca	Light, Area Affected :	LIFE : 5%	* *				
	Vegetation Grov Location : Thr	yth, Extent : Light, Are oughout	a Affected	: 100%				
Processed Stone	Location : Eas Scattered Thro Explanation : I	on, Extent : Light, Area t Approach South Face	e And West East Approc	Approach North . ach South Face Ar				
Guide Railing	J		-					
Concrete	Location: Nor	Light, Area Affected :		* *	4	\$3,400		
	-	dom Locations Throug						
	Location: Ran	on, Extent : Light, Area dom Locations Throug		15%				
ote: All component repairs \$ estin		Out Of Alignment dollars and are not escale	. 10	. 10 - ~				

Estimates are rounded to the nearest hundred dollars.

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 2470

Bridge Structure	Current Re	pair Futu	Future Replacement		Maintenance		
System Component Type	% of Fail Date I Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches							
Mat (scour & erosion) Earth	100%	LIFE	* *				
Railings/Parapets							
Steel	Location: Northwest	ent : Light, Area Affected t					
Timbon			* *				
Timber	10% Now Broken/Missing Elemen Location : Southwest	\$6,000 LIFE nts, Extent : Severe, Area					
Timber	90%	LIFE	* *				
Sidewalks							
Concrete	Location : Random Lo Settlement, Extent : Lig Location : Random Lo Spalling, Extent : Light Location : Random Lo	ht, Area Affected : 30% ocations Throughout , Area Affected : 30% ocations Throughout tent : Light, Area Affected	* * 1 : 5%				
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		\$5,300 2045 ent : Light, Area Affected oting From The East Abu te Spalling					
Masonry	85%	2045	* *				
Piles Steel	Location: Throughou	LIFE ht, Area Affected : 20% at ent : Light, Area Affected	**!: 100%				
	Location: Throughou						
Deck Elements	<u> Е</u> лрининон . Сонсте	ic Encused Sieel I lies					
Curbs							
Steel	100% 4+ Corrosion, Extent : Mo Location : Throughou	\$22,800 LIFE derate, Area Affected : 30 at	**				

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

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

Asset #: 2470

Bridge Structure		Current Repair Future Replacement					Maintenance		
System Component Type	% of Total		Estimated Cost		Estimated Cost		Estimated Cost	Priority	
Deck Elements									
Gratings									
Grating w/ Concrete	Location	: Center 2 tion : Bridg	Extent : Light, Area Spans Te Swing Spans Ha			1/2Ft x 11	Ft Each On Sides		
Railings/Parapets									
Steel	Location	: , Extent : M	\$278,600 nents, Extent : Mod Moderate, Area Affa			2-8	\$24,200		
	Location	: Both Sid	Extent : Light, Area es Of Bridge n Link Fence In Fr						
Sidewalks	Блрійни	uon . Cnan	i Link Fence in Fr		ei Kunng				
Concrete	90%			2030	* *	5	\$18,200		
Concrete	10% Other Obs Location	: Local Ar	\$6,900 Extent : Light, Area rea Near Fence Sides Spalled And	2030 Affected	**: 15%	5	\$9,100		
Wearing Surface	Ехриини	non . Boin	Sides Spatied And	Стискей					
Asphalt	Location Spalling, Location Other Obs	a: Through Extent: Lig a: Random ervation, E a: Through	ht, Area Affected : Locations Through Extent : Light, Area out	20% hout Affected		5	\$13,400		
			ing Surface 40 Per				Φ.Ε.Ο. 1.0.Ο		
Concrete	Location Spalling, Location Other Obs Location	e: Random Extent: Lig e: Random ervation, E e: Through	\$43,800 t, Area Affected: I Locations Through ht, Area Affected: Locations Through Extent: Light, Area out ing Surface 60 Pen	hout 5% hout Affected		5	\$58,100		
Superstructure									
Deck,Structural									
Concrete	Location	: Through	Extent : Light, Area out Accessible From Un		* * : 100%	5	\$22,400		
Grating w/ Concrete	100%			LIFE	* *				

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

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

Bridge Structure	Current Repair	Future Replacement	Maintenance						
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs) Priorit						
uperstructure									
Joints									
Steel	95%	LIFE **							
Steel	5% Now \$31,100	LIFE **							
	Broken/Missing Elements, Extent: Ligh	==							
	Location : Northwest Side, Split Joint	Cover Plate Next To Weldi	ng						
Primary Member									
Steel	45% 4+ \$1,739,700	LIFE **	2-8 \$536,500						
	Corrosion, Extent : Severe, Area Affecte								
	Location: Random Locations Throughout								
	Other Observation, Extent: Light, Area Affected: 100%								
	Location: Both Sides, Entire Span Explanation: Top Of Girder Is Acting As Barrier, Remaining Part Of Girder Is Not								
	Explanation : Top Of Girder Is Acting Accessible	As Barrier, Remaining Par	rt Of Girder Is Not						
Steel	55%	LIFE **	2-8 \$536,500						
Secondary Member									
Steel	15% 4+ \$200,100	LIFE **	2-8 \$449,400						
	Corrosion, Extent : Severe, Area Affecte	ed : 100%							
	Location: Adjacent To South Sidewal	k							
Steel	85% 4+ \$283,500	LIFE **	2-8 \$449,400						
	Broken/Missing Elements, Extent: Mod	erate, Area Affected : 5%							
	Location: Random Locations Below Deck								
	Corrosion, Extent : Moderate, Area Affected : 5%								
	Location: Random Locations Below Deck								
	Loss of Section, Extent : Moderate, Area	a Affected : 2%							
	Location: Random Locations Below Deck								
	Other Observation, Extent: Light, Area Affected: 10%								
	Location: Random Locations Below Deck								
	Explanation: Medium To Severe Corn Missing Elements	osion On Eyebars And Con	nnections With Broken/						

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$7,940,600	\$5,897,900
Total	\$7,940,600	\$5,897,900
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
Total	\$7,940,600	\$5,897,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$209,000	\$17,100	\$390,500	\$50,600
Total	\$209,000	\$17,100	\$390,500	\$50,600
Importance Code A	\$66,600		\$200,600	
Importance Code B	\$65,300		\$190,000	
Importance Code C	\$77,100	\$17,100		\$50,600
Total	\$209,000	\$17,100	\$390,500	\$50,600



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

Asset #: 4317

			A3351#.4					
Bridge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$1,900	LIFE	**			
	-		nt, Extent : Light, A			1		
			utment Recently Ur Light, Area Affecte		Kenab Ana Painte	а		
		s, Extent : Random	ыдпі, Агей Ајјесіе	a . 10%				
Backwall	Locuiton	. Random						
Concrete	80%			LIFE	* *			
Concrete	20%	4+	\$9,900	LIFE	* *			
			t, Area Affected : 1					
	Location	: Random						
	Rust Stain	s, Extent :	Light, Area Affecte	d: 10%				
	Location	: Random						
Brngs,Ancr Blts,Pads								
Steel	90%			LIFE	* *			
Steel	10%	4+	\$13,500	LIFE	* *			
			ight, Area Affected	l : 10%				
	Location	: Random						
Footings Not Accessible	100%							
Joint with Deck	100%							
Generic	80%			LIFE	* *			
Generic	20%	4+	\$8,400	LIFE	* *			
Concine	Leakage, I		derate, Area Affec		6			
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	ected : 20%			
	Location	: Beginnin	g Abutment					
	Explana	tion : Joint	Filler Depressed					
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Stem (breastwall)	0001			LIDE	* *			
Concrete	80%	4	¢20, 200	LIFE	* *			
Concrete	20% Cracks F:	4+	\$28,300	LIFE	* *			
	Cracks, Extent: Light, Area Affected: 10%							
	Location : Random Recent Repair Evident, Extent : Light, Area Affected : 100%							
	-		utment Recently Pa		.ica . 10070			
			Light, Area Affecte					
		: Random	5, <u>-</u> ,, - eve	. = , ,				
Wingwalls								
Footings								
Not Accessible	100%							
Piles		_						
Not Accessible	100%							

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

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

Asset #: 4317

ridge Structure	Curi	rent Repair	Futur	e Replacement	М	aintenance	
vstem Component Type	% of Fail I Total (Yea	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ingwalls							
Walls							
Concrete	85%		LIFE	* *			
Concrete	15% 4+	\$68,700	LIFE	* *			
		${\it Light, Area\ Affected:}$	5%				
	Location : Ran						
		: Light, Area Affected	: 5%				
	Location: Ran						
		on, Extent : Light, Area	a Affected	: 10%			
	Location : Ran						
-	Explanation :	Paint Peeling					
ature Crossed							
Bank Protection	1000/		T TEE	* *			
Sheet Piling	100%	T	LIFE				
		on, Extent : Light, Area	a Affected	: 100%			
		h Embankments	TI F	OCTI CI D'II			
	Explanation:	Timber Rub Rail Is On	The Face	Of The Sheet Pilin	g		
oproaches Pavement							
Asphalt	80%		2024	\$1,365,900	4	\$20,900	
Asphalt	20% 2-4	4 \$68,300	2024	\$341,500	4	\$20,900	
Asphat		Moderate, Area Affect		Ψ3-11,500	7	Ψ20,700	
Concrete	85%		2032	* *	4	\$80,200	
Concrete	15% 2-4	4 \$38,400	2032	* *	4	\$80,200	
	Settlement, Exte	nt : Light, Area Affecte				,,	
	Location : Ena		- 0.7				
	-	: Light, Area Affected	: 5%				
G 1.	Location : Ran	iaom					
Curbs Concrete w/ Steel Face	90%		LIFE	* *			
Concrete w/ Steel Face Concrete w/ Steel Face	90% 10% 4+	\$3,000	LIFE	* *			
Concrete w/ Steel Pace		nt : Light, Area Affecte					
	Location : At S		u . 570				
		anjace ent : Severe, Area Affed	stad · 75%				
	Location : At S		.ieu . 7570	•			
Guide Railing		-					
Steel	90%		LIFE	* *	2-8	\$5,800	
Steel	10% 4+	\$800	LIFE	* *	2-8	\$5,800	
		nt : Light, Area Affecte					
	Location : At S	Surface					
Pavement Base							
Not Accessible	100%						

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

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

Asset #: 4317

ridge Structure	Current Repair	Futu	re Replacement	M	aintenance				
estem Component Type	% of Fail Date Estimated Co Total (Years)	st Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit			
proaches									
Sidewalks									
Concrete	85%	LIFE	* *						
Concrete	15% 4+ \$7,90		* *						
	Cracks, Extent: Light, Area Affected	: 5%							
	Location : At Surface Settlement, Extent : Light, Area Affec	stad . 20/							
	Location: Random	nea . 270							
	Spalling, Extent: Light, Area Affecte	d · 5%							
	Location: Random	u . 570							
	Vegetation Growth, Extent : Light, A	rea Affectea	l : 5%						
	Location : Random								
ers									
Cap Beam	0.0-1								
Concrete	80%	LIFE	* *						
Concrete	20% 4+ \$345,00		**						
	Delaminations, Extent : Moderate, A Location : Random	rea Affectea	t : 20%						
	Exposed Reinforcement, Extent : Lig. Location : Random	ht, Area Aff	ected : 5%						
	Spalling, Extent : Moderate, Area Afg	fected : 20%	6						
	Location : At Surface								
Pier,Columns									
Concrete	80%	LIFE	* *						
Concrete	20% 4+ \$441,00		* *						
	Cracks, Extent: Light, Area Affected	: 10%							
	Location: At Surface	A.CC . 1 14	20/						
	Delaminations, Extent : Light, Area L Location : Random	Ађестеа : 10	0%						
		mag Affaataa	1 . 100/						
	Other Observation, Extent : Light, And Location : Random	rea А <u>јј</u> естеа	1: 10%						
	Explanation : Paint Peeling								
Brngs,Ancr Blts,Pads	zapranano i anni i connig								
Steel	80%	LIFE	* *	2-8	\$47,600				
Steel	20% 2-4 \$350,60		* *	2-8	\$47,600				
	Other Observation, Extent : Light, A	rea Affectea	! : 5%						
	Location: Random								
	Explanation: Missing Anchor Bolt	As Per Rec	ent Biennial Inspec	ction					
Footings									
Not Accessible	100%								
Mat (scour & erosion)	1000/	T TEE	* *						
Earth	100%	LIFE	* *						
Pedestals	0504	TIDE	* *						
Concrete Concrete	95% 5% 4+ \$28,50	LIFE 0 LIFE	* *						
Concrete	Cracks, Extent : Light, Area Affected								
	Location: Random	. 10/0							

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.

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

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

Asset #: 4317

idge Structure	Current Repair Future Re		e Replacement	Replacement Maintenance				
tem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
k Elements	•			•				•
Curbs								
Concrete w/ Steel Face	70%			LIFE	* *			
Concrete w/ Steel Face	30%	4+	\$21,700	LIFE	**			
	_	a/Buiging, i : Random	Extent : Light, Area	а Ађесте	a : 2%			
			Moderate, Area Afj	facted · 2	50%			
		s, Extent i : At Surfa		ecieu . 2	370			
Median	Bocarror	. III Suiju						
Concrete	95%			LIFE	* *	5	\$15,100	
Concrete	5%	4+	\$7,900	LIFE	* *	5	\$15,100	
2011010			ht, Area Affected :				Ψ10,100	
		: At Surfa						
Steel	95%			LIFE	* *	4-8	\$122,600	
Steel	5%	4+	\$1,200	LIFE	* *	4-8	\$122,600	
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 10%			
	Location	: Random						
	Explana	tion : Paint	Peeling And Rust	Stain				
Railings/Parapets								
Steel	95%			LIFE	* *	2-8	\$86,700	
Steel	5%	4+	\$16,700	LIFE	**	2-8	\$86,700	
	_	а/виідіпд, ı : Top Rail	Extent : Light, Area	а Ађесте	a : 2%			
		-		1.100/				
		s, Extent : . e : At Surfa	Light, Area Affecte	a : 10%				
Sidewalks	Locuitor	. Hi Surju						
Concrete	70%			2028	* *	5	\$34,300	
Concrete	30%	4+	\$78,300	2028	* *	5	\$17,100	
			t, Area Affected : 1				, ,,	
	Location	: Random						
	Spalling, I	Extent : Lig	ht, Area Affected :	5%				
	Location	: At Surfa	ce					
Wearing Surface								
Concrete	90%			2032	**	5	\$46,000	
			nt, Extent : Light, A	rea Affe	cted : 2%			
G		: Northbo		205-			***	
Concrete	10%	4+	\$8,700	2032	* *	5	\$23,000	
	Cracks, Extent : Moderate, Area Affected : 20% Location : Throughout							
			оит Moderate, Area Afj	Sported . ?	0%			
	•	r, Extent : . t : Northbo		естей. 2	0/0			
			ht, Area Affected :	2%				
		: Through		-/-				
Scupper								
Cast Iron	100%	4+	\$138,000	LIFE	* *			
		ogged, Exte	ent : Light, Area Af		5%			
		: Random						

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.

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

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

ridge Structure	Current Repair	Future Replace	ment	М	aintenance				
rstem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	d Cost	Cycle (Yrs)	Estimated Cost	Priority			
perstructure									
Deck,Structural				_					
Concrete	85%	LIFE	* *	5	\$105,300				
	Other Observation, Extent: Severe, Are	a Affected : 100%							
	Location: Underside Of Deck		D 1						
	Explanation: Sip Forms Throughout T								
Concrete	15% 4+ \$140,300	LIFE	* *	5	\$105,300				
	Cracks, Extent: Light, Area Affected: 1	0%							
	Location: Random	100/							
	Spalling, Extent: Light, Area Affected:	10%							
	Location: Random								
	Other Observation, Extent : Light, Area Location : Sip Form Under Deck	Ајјестеа : 10%							
	_								
Joints	Explanation : Corrosion And Deforma	топ							
Generic	75%	LIFE	* *						
Generic	25% 4+ \$27,600	LIFE	* *						
Generic	Loose Elements, Extent : Moderate, Are								
	Location: Random	a 11,10000a . 2570							
	Other Observation, Extent : Light, Area	Affected: 10%							
	Location: Random	11,000,000							
	Explanation : Joint Filler Depressed A	and Filled With Deb	ris						
Primary Member	1								
Steel	90%	LIFE	* *	2-8	\$1,768,900				
	Other Observation, Extent : Light, Area Affected : 10%								
	Location: Bottom Flange								
	Explanation : Fatigue Prone Detail, P	artial Cover Plate							
Steel	10% 4+ \$6,023,400	LIFE	* *	2-8	\$1,768,900				
	Corrosion, Extent : Light, Area Affected	: 15%							
	Location : At Surface								
Secondary Member									
Steel	95%	LIFE	* *	2-8	\$1,481,800				
Steel	5% 4+ \$248,700	LIFE	* *	2-8	\$1,481,800				
	Corrosion, Extent : Light, Area Affected	: 15%							
	Location : At Surface								

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$180,500	\$512,800
Total	\$180,500	\$512,800
Importance Code A	\$143,300	\$143,600
Importance Code B	\$37,200	\$369,200
Total	\$180,500	\$512,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$2,200	\$26,100	\$61,900	
Total	\$2,200	\$26,100	\$61,900	
Importance Code A	\$2,200		\$10,300	
Importance Code B			\$37,000	
Importance Code C		\$26,100	\$14,600	
Total	\$2,200	\$26,100	\$61,900	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
System	% of Fail Date	e Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
Component Type	Total (Years)		FY		(Yrs)		·
Abutments							
Bridge Seat&pedestals							
Concrete	100%		LIFE	* *			
Backwall	10070		- En E				
Concrete	100%		LIFE	* *			
Brngs, Ancr Blts, Pads	10070						
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	4.0.0						
Concrete	100%		2031	* *	4	\$29,100	
Curbs	100-						
Concrete w/ Steel Face	100%		LIFE	* *			
Embankment	4.0.0			de de			
Earth	100%		LIFE	* *			
Guide Railing	1000/		2022	ale ale	4	Φ.ς. 400	
Concrete	100%		2033	* *	4	\$6,400	
Mat (scour & erosion)	1000/						
Not Accessible	100%						
Pavement Base	1000/						
Not Accessible	100%						
Sidewalks Concrete	1000/		LIDD	* *			
Piers	100%		LIFE	-1. dr			

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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ers Cap Beam								
Steel	100%			LIFE	* *	2-8		
Pier,Columns	10070			LIITE		2-0		
Concrete	100%			LIFE	* *			
Steel	100%			LIFE	* *	2-8	\$427,400	
Stem, Solid Pier	10070			EII E		2 0	Ψ127,100	
Brick Veneer	100%			LIFE	* *			
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$37,200	LIFE	* *			
		tions, Exter	ıt : Moderate, Area		1:5%			
	Location	a : West Fa	ce Of Pier 1					
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	cted : 30%			
	Location	ı : West Fa	ce Of Pier 1					
	Explana	tion : Pier	l Has Fire Damage	e, Modere	ate Scaling			
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%							
eck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Guide Railing	400			• • • • •				
Concrete	100%			2038	* *			
Median	1000			LIPE	alo -l-	~	#2 000	
Concrete	100%			LIFE	* *	5	\$2,000	
Railings/Parapets	1.0007			2022	* *	_		
Masonry	100%			2033	* *	5	ΦΩ ΩΩΩ	
Steel	98%	NT.	#100	LIFE	* *	2-8	\$9,900	
Steel	2%	Now	\$100	LIFE		2-8	\$9,900	
		_	ients, Extent : Seve Bolts at Access La		н <i>ујестеа : 2</i> %			
C: 411	Locanor	ı . meaian,	Dous at Access La	шег				
Sidewalks	1000/			2029	* *	5	¢2 000	
Concrete Westing Surface	100%			2028	-1. 4.	5	\$3,900	
Wearing Surface	1000/			2022	* *	5	¢40 200	
Concrete	100%			2033	-1. 4r	5	\$48,200	

Superstructure

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

^{**} 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

Bridge Structure		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of 1 Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	* *			
	Other Obse	rvation, E	xtent : Moderate, A	Area Affe	cted : 5%			
	Location .	: Bascule	Span					
	Explanati	on : Previ	ous Losses To Flar	iges. Mii	nor Corrosion.			
Bascule Span Pier								
Concrete	100%			LIFE	* *			

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

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$122,300	\$366,200
Total	\$122,300	\$366,200
Importance Code A	\$122,300	\$95,000
Importance Code B		\$271,200
Total	\$122,300	\$366,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$2,000	\$12,800	\$51,400	
Total	\$2,000	\$12,800	\$51,400	
Importance Code A	\$2,000	\$900	\$9,700	
Importance Code B			\$27,200	
Importance Code C	\$100	\$11,900	\$14,600	
Total	\$2,000	\$12,800	\$51,400	



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance		
System Component Type	% of Fail Date Total (Years)	e 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) 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%							

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

^{**} 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	Futur	e Replacement	M	aintenance	
System Component Type	% of 1 Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Sidewalks							
Concrete	100%		LIFE	* *			
Piers							
Cap Beam	1000/			de de	• •		
Steel	100%		LIFE	* *	2-8		
Pier, Columns	1000/		I IDE	ale ale	2.0	Φ 427 400	
Steel	100%		LIFE	* *	2-8	\$427,400	
Stem,Solid Pier	1000/			ale ale			
Masonry	100%		LIFE	* *			
Brngs, Ancr Blts, Pads	1000/		LIEE	* *	2.0	ф1 000	
Steel	100%		LIFE	* *	2-8	\$1,800	
Mat (scour & erosion)	1000/						
Not Accessible	100%						
Pedestals	1000/		LIEE	* *			
Steel	100%		LIFE	* *			
Piles	1.000/						
Not Accessible	100%						
Deck Elements							
Curbs	1000/		LIDE	* *			
Concrete w/ Steel Face	100%		LIFE				
Median	100%		LIFE	* *	5	\$900	
Concrete	100%		LIFE		3	\$900	
Railings/Parapets	100%		2033	* *	4	¢1.600	
Concrete	100%		2033	* *	4 5	\$1,600 \$1,700	
Masonry Sidewalks	100%		2033		3	\$1,700	
	90%		2028	* *	5	\$1,300	
Concrete Concrete	10%	4+ \$100	2028	* *	5 5	\$1,300 \$700	
Concrete		tent : Light, Area Affected : 1			3	\$700	
		: Approach Spans	070				
Wearing Surface	Locuion						
Concrete	100%		2033	* *	5	\$22,500	
Superstructure	10070		2033	•	<i>J</i>	Ψ22,300	
Deck,Structural							
Grating w/ Concrete	100%		LIFE	* *			
Joints	100/0						
Steel	100%		LIFE	* *			
Primary Member	100/0						
Steel	100%		LIFE	* *	2-8	\$177,500	
Secondary Member	100/0		LILL		2 0	Ψ1/1,500	
Steel	100%		LIFE	* *	2-8	\$192,000	
Movable Bridges	20070					Ψ1 /2 ,000	

Movable Bridges

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

^{**} 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

Bridge Structure	Current Re	pair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date I Total (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	* *			
	Other Observation, Ext	ent : Moderate, A	rea Affe	ected : 10%		Cycle Estimated Cost	
	Location : Bascule Sp	pan					
	Explanation: Previou	us Losses To Flan	ges And	Minor Corrosion			
Bascule Span Pier							
Concrete	100%		LIFE	* *			

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,282,200	\$2,932,200
Total	\$1,282,200	\$2,932,200
Importance Code A	\$218,300	\$1,017,600
Importance Code B	\$602,800	\$1,176,800
Importance Code C	\$461,100	\$737,800
Total	\$1,282,200	\$2,932,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$98,700		\$202,700	
Total	\$98,700		\$202,700	
Importance Code A	\$27,300		\$84,600	
Importance Code B	\$21,900		\$118,000	
Importance Code C	\$49,500			
Total	\$98,700		\$202,700	



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

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

Asset #: 2560

Bridge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
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	100-		44.5.400		di di			
Concrete			\$12,400 stent : Light, Area A d Throughout	LIFE Affected :	**			
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	* *			
		xtent : Ligh 1 : Both Abi	t, Area Affected : 1 utments	0%				
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$5,800	LIFE	* *			
	Cracks, E.	xtent : Ligh	t, Area Affected : 1	0%				
	Location	ı : End Abu	tment					
			t : Light, Area Affec st Wingwall	rted : 5%	Ó			
Feature Crossed								
Bank Protection								
Concrete	80%			LIFE	* *			
Concrete	20%	4+	\$144,500	LIFE	* *			
		issing Elen ı : West Sid	nents, Extent : Seve le Of River	re, Area	Affected : 10%			
		xtent : Ligh 1 : West Sid	t, Area Affected : 1 le Of River	0%				
Mat (scour & erosion) Not Accessible	100%							
110111000331010	100/0							

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

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

Bridge Structure	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed							
Pier Protection							
Timber	100% Now	\$473,700	LIFE	* *			
	Broken/Missing Eler		re, Area I	Affected : 50%			
	Location : East An Other Observation, 1		- A CC 4 -	1.500/			
	Location : East An		а Ајјесте	a : 50%			
	Explanation : Wor						
Approaches	Explanation : Wol						
Pavement							
Asphalt	95%		2025	\$400,100	4	\$8,100	
Asphalt	5% 4+	\$4,200	2025	\$21,100	4	\$5,400	
	Cracks, Extent: Mod		d: 20%				
	Location : Through						
	Other Observation,		Affected	: 100%			
	Location : Both Ap	•	0 D		ъ.	4 1 1.	
		ement Consists Of 4		t Concrete And 60 * *			
Concrete	100%	Entant : Liaht Anaa	2033		4	\$30,800	
	Other Observation, Extent : Light, Area Affected : 100% Location : Both Approaches						
	•	ement Consists Of 4	0 Percen	t Concrete And 60	Percent	Asphalt	
Embankment	Experiment 1 are	meni Consists of T	o i creen	Concrete Tina oo	1 creeni	1 ispricin	
Generic	100%		LIFE	* *			
Guide Railing							
Concrete	100%		2033	* *	4	\$17,200	
Steel	100%		LIFE	* *	2-8		
Piers							
Cap Beam							
Concrete	90%	0.1.2.0.2.0.0	LIFE	* *			
Concrete	10% 4+	\$129,200	LIFE	* *			
	Cracks, Extent : Mod Location : Scattere		a : 30%				
	Delaminations, Exte		Affected	1 · 30%			
	Location : Scattere		Ајјестеи	. 30/0			
	Spalling, Extent : Li	_	5%				
	Location : End Of		2,0				
Steel	90%	1	LIFE	* *	2-8	\$520,900	
Steel	10% 4+	\$89,000	LIFE	* *	2-8	\$520,900	
51001	Rust Stains, Extent :			0%	20	Ψ <i>52</i> 0,700	
	Location : Scattere						

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

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

Asset #: 2560

Bridge Structure	Current R	Repair	Futur	e Replacement	М	aintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Piers									
Pier,Columns									
Concrete	90%		LIFE	* *					
Concrete	10% 4+	\$76,700	LIFE	* *					
	Cracks, Extent: Mode		d: 10%						
	Location : Scattered	_							
	Spalling, Extent: Mod		ted : 5%						
	Location : Scattered		A CC 4 -	1.500/					
	Other Observation, Extent : Severe, Area Affected : 50% Location : River Pier								
	Explanation : Missi		ita Masa	unry Vanaar					
Steel	90%	ng Moriar in Gran	LIFE	**	2.0	\$569,900			
Steel	10% 4+	\$52,400	LIFE	* *	2-8 2-8	\$569,900			
Steel	Rust Stains, Extent : I				2-0	\$309,900			
	Location:	218111, 111 cu 1199 cc 101	u . 1570						
	Other Observation, Extent: Moderate, Area Affected: 30%								
	Location : Random								
	Explanation: Exfoli	iation Of Weatheri	ng Steel						
Stem,Solid Pier									
Concrete	97%		LIFE	* *					
Concrete	3% 4+	\$8,300	LIFE	* *					
	Cracks, Extent : Light Location : East And		5%						
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	100%		2037						
Concrete	95%		2044	* *	5	\$316,700			
Concrete	5%		2044	* *	5	\$316,700			
Concrete	Cracks, Extent : Light	t, Area Affected : 1			5	Ψ310,700			
	Location : At Both E								
	Spalling, Extent : Ligh	ht, Area Affected :	10%						
	Location : At Both E	Ends							
Railings/Parapets									
Concrete	100%		2033	* *	4	\$23,400			
Scupper									
Ductile Iron	100%		LIFE	* *					

Superstructure

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

^{**} 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

Bridge Structure	Current R	epair	Futur	e Replacement	M	aintenance		
system Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
uperstructure								
Deck,Structural								
Concrete	95%		LIFE	* *	5	\$86,800		
Concrete	5% 4+	\$13,800	LIFE	* *	5	\$86,800		
	Cracks, Extent : Light	, Area Affected : 1	0%					
	Location : Through	out Structure						
	Efflorescence, Extent : Light, Area Affected : 4%							
	Location: Throughout Structure							
	Other Observation, Ex	ktent : Severe, Are	a Affecte	d : 30%				
	Location : East Side		55					
	Explanation : Bird N	lesting						
Joints								
Generic	100% 4+	\$14,100	LIFE	* *				
	Broken/Missing Eleme	ents, Extent : Ligh	t, Area Ą	ffected : 10%				
	Location : Scattered	Throughout						
Primary Member								
Steel	100%		LIFE	* *	2-8	\$685,500		
Secondary Member			•	_	•	_		
Steel	100%		LIFE	* *	2-8	\$1,221,800		

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,166,800	\$3,529,300
Total	\$1,166,800	\$3,529,300
Importance Code A	\$232,800	\$1,231,200
Importance Code B	\$609,700	\$1,740,000
Importance Code C	\$324,300	\$558,000
Total	\$1,166,800	\$3,529,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$94,800		\$289,700	
Total	\$94,800		\$289,700	
Importance Code A	\$18,300		\$107,800	
Importance Code B	\$44,200		\$174,500	
Importance Code C	\$32,300		\$7,400	
Total	\$94,800		\$289,700	



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

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

Asset #: 2665

Bridge Structure		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%			LIFE	* *			
Backwall								
Concrete	98%			LIFE	* *			
Concrete	2%	4+	\$3,300	LIFE	* *			
		_	t, Area Affected : 2	20%				
	Location	: End Abu	tment					
Brngs, Ancr Blts, Pads								
Steel	100%			LIFE	* *			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	95%			LIFE	* *			
Generic	5%	4+	\$20,300	LIFE	* *			
		Other Observation, Extent : Light, Area Affected : 20%						
	Location	: Begin A _l	pproach					
	Explana	tion : Missi	ing Cover Plate					
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals								
Concrete	100%			LIFE	* *			
Stem (breastwall)								
Concrete	95%			LIFE	* *			
Concrete	5%	4+	\$7,300	LIFE	* *			
			lerate, Area Affecte	d: 10%				
		Location: Begin Abutment						
	Effloresce	nce, Extent	t : Light, Area Affec	eted : 15%	%			
	Location	: Begin Al	butment					
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	2%	4+	\$9,100	LIFE	* *			
			t, Area Affected : 1					
	Location	: Northwe	st Face At Begin A	butment				
	Vegetation	i Growth, E	Extent : Light, Area	Affected	1:5%			
	Location	: Northwe	st Face At End Abı	ıtment				
Concrete	98%			LIFE	* *			
Footure Crossed	7070							

Feature Crossed

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

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

Asset #: 2665

Bridge Structure	Curre	ent Repair	Futur	e Replacement	М	aintenance			
ystem Component Type	% of Fail D Total (Yea	Pate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit		
eature Crossed									
Bank Protection									
Concrete	85%		LIFE	* *					
Concrete	15% Nov		LIFE	* *					
	_	Elements, Extent : Mod	'erate, Ar	rea Affected : 20%					
		t Side Of The River							
		Light, Area Affected : 1	10%						
		t Side Of The River							
		: Light, Area Affected :	10%						
	Location: West	t Side Of The River							
Mat (scour & erosion)									
Not Accessible	100%								
Pier Protection									
Timber	100% Nov	,	LIFE	* *					
	Broken/Missing Elements, Extent: Severe, Area Affected: 50%								
		ı Fender System							
	Rotted, Extent : S	Severe, Area Affected :	50%						
	Location : Both	n Fender System							
pproaches									
Pavement									
Asphalt	95%		2025	\$200,000	4	\$4,000			
Asphalt	5% 4+	' '	2025	\$10,500	4	\$2,700			
	Cracks, Extent: Light, Area Affected: 20%								
		Location: Throughout							
		: Light, Area Affected :	20%						
	Location : Thro	oughout							
Concrete	100%		2033	* *	4				
	Other Observation	on, Extent : Light, Area	Affected	! : 100%					
	Location : App								
	Explanation : A	Approaches: 20 Percen	t Concret	te; 80 Percent Aspl	ıalt				
Embankment									
Generic	100%		LIFE	* *					
Guide Railing									
Concrete	100%		2033	* *	4	\$4,300			
Steel	100%		LIFE	* *	2-8				
Sidewalks									
Concrete	95%		LIFE	* *					
Concrete	5% 4+		LIFE	* *					
		Light, Area Affected : .	10%						
	Location : Scat	tered Throughout							

Piers

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

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

Asset #: 2665

Bridge Structure		Current F	Repair	Future Replacemen		Maintenance		
System Component Type		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	* *			
		_	t, Area Affected : 1	0%				
	Location :			50/				
			ht, Area Affected :	5%				
	Location :	East Abu	ттепт					
Steel	90%		*==	LIFE	* *	2-8	\$427,900	
Steel			\$73,100 Ioderate, Area Affe Locations Through		**	2-8	\$427,900	
	Other Obse	rvation, E	xtent : Moderate, A	Area Affe	ected : 80%			
	Location :	Random	Locations Through	iout				
	Explanation	on : Exfol	iating Weathering	Steel				
Pier, Columns								
Concrete	10%	4+	\$80,000	LIFE	* *			
	Cracks, Extent: Light, Area Affected: 10%							
	Location: Scattered Throughout							
			ht, Area Affected : l Throughout	5%				
Concrete	90%			LIFE	* *			
Steel	90%			LIFE	* *	2-8	\$455,900	
Steel	10%	4+	\$41,900	LIFE	* *	2-8	\$455,900	
	Corrosion, Extent : Light, Area Affected : 15% Location : Throughout							
			xtent : Moderate, A		ected : 30%			
			Locations Through	iout				
	Explanation	on : Weath	hering					
Stem,Solid Pier								
Concrete	90%		***	LIFE	* *			
Concrete	10% Cracks, Ext Location :	_	\$50,500 t, Area Affected : 5 out	LIFE	**			
Brngs,Ancr 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	1000			2025	do do			
Concrete	100%			2037	* *			
Median	1000/			יייון ז	.	_	011 200	
Concrete	100%			LIFE	* *	5	\$11,300	

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

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

Asset #: 2665

Bridge Structure	С	Current Repair		Future Replacement		M	aintenance		
ystem Component Type		il Date E Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
eck Elements									
Mono Deck Surface						_			
Concrete	90%		*	2044	* *	5	\$347,500		
Concrete		4+	\$47,800	2044	* *	5	\$173,700		
	Cracks, Exter Location : S	_	Area Affected : I broughout	0%					
			nrougnoui Area Affected :	10%					
	Location : A	_		10/0					
Railings/Parapets	Locuiton . 1	II Doin Lin							
Steel	90%			LIFE	* *	2-8	\$31,000		
Steel		4+	\$119,200	LIFE	* *	2-8	\$31,000		
		ation, Exte	ent : Light, Area		: 100%	-	, - ,		
			•	Railina C	onsists Of Cables A	And Mosl	h As Means Of		
	Falling Pro	-	aic i caesirian i	aning C	onsisis of Cabies i	ma mesi	ins means of		
Sidewalks									
Concrete	100%			2029	* *	5	\$14,900		
Scupper									
Ductile Iron	100%			LIFE	* *				
perstructure									
Deck,Structural Concrete	5%	4+	\$16,900	LIFE	* *	5	\$70,100		
Concrete			\$10,900 Area Affected : I			3	\$79,100		
	Location : H	_	rearly cerea . I	0,0					
			rate, Area Affec	ted : 80%	ó				
	Location : I		33						
	Other Observation, Extent : Moderate, Area Affected : 80%								
	Location : I								
	Explanation	: Exposed	Steel Reinforce	ment					
Concrete	95%			LIFE	* *	5	\$79,100		
Joints									
Generic	60%			LIFE	* *				
Generic	40%	4+	\$102,800	LIFE	* *				
		Broken/Missing Elements, Extent: Moderate, Area Affected: 15%							
			ent And Through						
	Misaligned/B Location : T		tent : Light, Are	a Affecte	d: 10%				
Primary Member									
Steel	99%			LIFE	* *	2-8	\$611,400		
Steel	1%			LIFE	* *	2-8	\$611,400		
	Rust Stains, Extent: Light, Area Affected: 100%								
_	Location : F	Random Lo	cations Through	iout					
Secondary Member	0.50				a ·	2.0	Φ1 11 0 7 00		
Steel	95%	4.	Φ1 < 7 00	LIFE	**	2-8	\$1,113,500		
Steel		4+ Extent : Lie	\$16,500	LIFE	* *	2-8	\$1,113,500		
	Rust Stains, E Location : S	_	ht, Area Affecte	a : 15%					

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

^{**} 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
Total	\$47,394,400	\$3,766,500
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
Total	\$47,394,400	\$3,766,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$71,200	\$12,700	\$210,900	\$3,100
Total	\$71,200	\$12,700	\$210,900	\$3,100
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
Total	\$71,200	\$12,700	\$210,900	\$3,100



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

^{**} 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 Replacen	nent	Maintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated FY	Cost Cy (Y	cle Estimated Cost rs)	Priority
Abutments					
Footings Not Accessible	100%				
Joint with Deck					
Generic	100% 2-4 \$243,6 Other Observation, Extent: Severe Location: Throughout Explanation: Joint Is Paved Ove	e, Area Affected : 100%	* *		
Mat (scour & erosion)	7				
Earth	100% 2-4 \$5,5 Other Observation, Extent: Light, Location: Random Explanation: Soil Under The Foo	Area Affected : 15%	* *		
Stem (breastwall)	•				
Concrete	70%	LIFE	* *		
Concrete	30% 2-4 \$1,040,9 Cracks, Extent: Moderate, Area A Location: Random Delaminations, Extent: Moderate,	ffected : 25%	**		
	Location : Random Efflorescence, Extent : Moderate, 1				
	Location : Random		200/		
	Exposed Reinforcement, Extent: M. Location: Random		20%		
	Spalling, Extent : Moderate, Area L Location : Random	Affected : 20%			
Vingwalls					
Footings Not Accessible	100%				
Mat (scour & erosion)					
Earth	100% 4+ \$1,0 Erosion, Extent : Moderate, Area A Location : Random		* *		
Piles					
Timber	100% Other Observation, Extent: Light, Location: Southeast Wingwall Explanation: Visible Due To Ero		* *		
Walls					
Concrete	90%	LIFE	* *		
Concrete	10% 4+ \$88,3 Cracks, Extent: Light, Area Affect Location: Random Exposed Reinforcement, Extent: L	ed : 15%	* *		
	Location : Random				
Feature Crossed Bank Protection					
Riprap	100%	LIFE	* *		

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

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

Asset #: 2452

Bridge Structure	Current Repai	r Futu	re Replacement	Maintenance				
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Feature Crossed								
Mat (scour & erosion)								
Stream Bed	100%	LIFE	* *					
Pier Protection	1000/	A < < 200 X X X X X X X X X X X X X X X X X X	* *					
Concrete	100% 4+	\$66,300 LIFE						
	Other Observation, Extent Location: Random	: Lignī, Area Ађестес	1:10%					
	Explanation : Crack, Effl	orassanca And Pust	Stain					
Approaches	Ехрининон . Стиск, Едл	orescence, Ana Kusi	Siuin					
Pavement								
Asphalt	100% 2-4 Cracks, Extent: Light, Are	\$84,300 2024 a Affected : 15%	\$843,200	4	\$10,700			
	Location : Random	. A ACC . 1 0	00/					
	Settlement, Extent : Moder Location : Random	ате, Агеа Аffестеа : 2	<i>0%</i> 0					
	Spalling, Extent : Light, Ar Location : Random	ea Affected : 3%						
	Other Observation, Extent Location : Random	: Light, Area Affected	d : 8%					
	Explanation: Raveling P	avement						
Curbs								
Concrete	40%	LIFE						
Concrete	60% Now	\$9,200 LIFE	* *					
	Cracks, Extent: Light, Area Affected: 5%							
	Location : Various Locat							
	Settlement, Extent : Light, Area Affected : 5% Location :							
	Spalling, Extent : Light, Ar Location : Random	ea Affected : 5%						
Embankment	200mm i immoni							
Earth	90%	LIFE	* *					
Earth	10% 4+ Vegetation Growth, Extent Location : Various Locat							

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

Asset #: 2452

Bridge Structure	Current Repair		Futur	Future Replacement		Maintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Approaches									
Guide Railing	1000/ 4.	\$6,200	2026	¢122 000	4	¢5 100			
Concrete	100% 4+ Cracks, Extent : Ligh	\$6,200	2026	\$123,800	4	\$5,100			
	Location : Random	i, mea mjeciea . 5	70						
	Spalling, Extent : Lig	ht, Area Affected :	3%						
	Location : Random								
	Other Observation, E	xtent : Light, Area	Affected	: 10%					
	Location : Random								
	Explanation : Scalir	ıg							
Steel	80%		LIFE	* *	2-8	\$5,800			
Steel	20% 2-4	\$3,100	LIFE	* *	2-8	\$5,800			
	Damaged Railing, Extent : Light, Area Affected : 3%								
	Location: Random	Light Auga Affacts	1.100/						
	Rust Stains, Extent : I Location : Various	-	1:10%						
Mat (scour & erosion)	Location : various	Locuitons							
Earth	100%		LIFE	* *					
Pavement Base									
Not Accessible	100%								
Sidewalks									
Asphalt	90%		2024	\$51,300	4	\$1,500			
Asphalt	10% 4+	\$600	2024	\$5,700	4	\$1,500			
	Cracks, Extent : Light, Area Affected : 10% Location : Various Locations								
	Settlement, Extent : L		1.100/						
	Location : Random	ідш, Агей Ајјесіей	. 10/0						
		xtent : Light, Area	Affected	: 25%					
	Other Observation, Extent : Light, Area Affected : 25% Location : Northeast Corner								
	Explanation : Unpa	ved Area							
Piers	-								
Cap Beam									
Concrete	100% 0-2	\$3,088,300		* *					
	Exposed Reinforceme Location: Bottom C		ate, Arec	a Affected : 30%					
	Spalling, Extent: Mo	derate, Area Affect	ed : 30%	ó					
	Location: Random								
	Other Observation, E	_	Affected	: 100%					
	Location: Through								
	Explanation : Cond	ition Is As Per Nys	dot Inspe	ection Report					

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

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

Asset # : 2452

Bridge Structure	Current Repair	Current Repair Future Replacemen		nt Maintenance		
System Component Type	% of Fail Date Estimated Cos Total (Years)	st Year Estimated FY	Cost	Cycle (Yrs)	Estimated Cost	Priority
Piers						
Pier, Columns	900/	LIEE	* *			
Concrete Concrete	80% 20% 2-4 \$14,137,900	LIFE D LIFE	* *			
Concrete	Efflorescence, Extent : Light, Area Aj					
	Location: Random	jeeneu . 1070				
	Exposed Reinforcement, Extent: Ligh	ht, Area Affected : 10%				
	Location: Random					
	Spalling, Extent : Light, Area Affected	d : 30%				
	Location : Random					
Stem,Solid Pier						
Concrete	60%	LIFE	* *			
Concrete	40% 4+ \$6,233,500		* *			
	Efflorescence, Extent : Light, Area Aj	<i>дестеа : 10%</i>				
	Other Observation, Extent : Moderate	e. Area Affected : 40%				
	Location: Various Locations	3,5				
	Explanation : Spalling With Expose	d Reinforcement				
Brngs,Ancr Blts,Pads						
Steel	100% 2-4 \$370,800		* *	2-8	\$10,100	
	Corrosion, Extent : Light, Area Affect	ted : 15%				
	Location: Random	1.00				
	Rust Stains, Extent : Moderate, Area Location : Random	Affected: 20%				
Footings	Location : Kanaom					
Not Accessible	100%					
Pedestals	10070					
Not Accessible	100%					
Deck Elements						
Curbs						
Concrete	70%	2043	* *			
Concrete	30% Now \$4,436,300		* *			
	Cracks, Extent: Light, Area Affected	: 10%				
	Location: Random Exposed Reinforcement, Extent: Ligh	ht Area Affected : 10%				
	Location: Various Locations	u, Area Ajjeciea . 10%				
	Recent Replace Evident, Extent : Ligh	ht, Area Affected : 30%				
	Location : Random	. 55				
	Spalling, Extent : Light, Area Affected	d : 15%				
<u> </u>	Location: Various Locations					
Guide Railing						
Steel	90%	LIFE	* *			
Steel	10% 4+ \$46,700		* *			
	Rust Stains, Extent : Light, Area Affect Location : Various Locations	ctea : 20%				
	Location . various Locations					

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

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

Asset #: 2452

Bridge Structure	Current Re	Current Repair Future Replacement Maintenance			aintenance			
System Component Type	% of Fail Date F Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Deck Elements			•					
Median								
Steel	90%		LIFE	* *	4-8	\$31,500		
Steel	10% 4+	\$4,600	LIFE	* *	4-8	\$31,500		
	Rust Stains, Extent : Lig	ght, Area Affecte	d: 20%					
	Location : Random	out . Liaht Anaa	A CC a a t a d	. 1000/				
	Other Observation, Ext Location : Throughou		Ајјестеа	: 100%				
	Explanation : The Co		ontor Thi	rough Is Recorded	In Super	estructure Under		
	Primary Member	idition of The C	enier 11ii	ough is Recorded	ти зирет	siruciure Onder		
Railings/Parapets	7							
Concrete	90%		2032	* *	4	\$4,700		
Concrete	10% 4+	\$11,800	2032	* *	4	\$4,700		
	Cracks, Extent : Light, 1	Area Affected : 1	0%					
	Location : Random							
	Exposed Reinforcement	t, Extent : Light,	Area Affe	ected : 10%				
	Location: Random							
	Spalling, Extent : Mode		ted : 20%					
G' 1 11	Location : Various Lo	ocations						
Sidewalks Concrete	50%		2020	* *	5	¢25.200		
Concrete	50% Now	\$578,000	2028 2028	* *	5 5	\$25,300 \$12,700		
Concrete	Cracks, Extent : Moder				3	\$12,700		
	Location : Various Lo		2070					
	Spalling, Extent : Mode		ted : 25%	Ó				
	Location : Various Lo							
	Vegetation Growth, Ext	ent : Light, Area	Affected	! : 15%				
	Location : Various Lo	_						
Wearing Surface								
Asphalt	80%		2024	\$584,200	5	\$51,500		
Asphalt	20% 2-4	\$29,200	2024	\$146,100	5	\$25,700		
	Cracks, Extent: Light,	Area Affected : 1	5%					
	Location : Random							
	Settlement, Extent : Mo Location : Random	derate, Area Affe	ected : 20)%				
na a natura aturna	Location : Kanaom							
Superstructure Deck,Structural								
Concrete	60%		LIFE	* *	5	\$51,100		
Concrete	40% 2-4	\$1,019,200	LIFE	* *	5	\$51,100		
001101000	Cracks, Extent : Light,					φυ1,100		
	Location: Various Locations							
	Exposed Reinforcement, Extent: Light, Area Affected: 20%							
	Location : Various Lo	ocations						
	Spalling, Extent : Light	, Area Affected :	20%					
	Location : Various Lo	ocations						
	Other Observation, Ext	ent : Light, Area	Affected	: 50%				
	Location: Random							
	Explanation : Wood F	Plank Is Used Fo	r Under l	Deck Shield Proted	ction			

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

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

Asset #: 2452

Bridge Structure	Current Repair	Future Replacement	Maintenance					
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority				
iperstructure								
Joints	1000/ 0.2 \$102.800	LIFE **						
Generic	100% 0-2 \$192,800 Loose Joint Plates, Extent : Moderate, A Location : Throughout	LITE						
Primary Member								
Concrete	70%	LIFE **	5 \$29,400					
Concrete	30% 2-4 \$1,319,700	LIFE **	5 \$29,400					
	Cracks, Extent : Light, Area Affected : 1 Location : Random	15%						
	Efflorescence, Extent : Light, Area Affect Location : Random	cted : 15%						
		and Amon Affordad . 200/						
	Exposed Reinforcement, Extent : Moder Location : Various Location	ате, Агеа Ајјества : 20%						
	Spalling, Extent : Moderate, Area Affect Location : Random	ted : 20%						
Steel	80%	LIFE **	2-8 \$858,600					
Steel	20% 2-4 \$13,965,700	LIFE **	2-8 \$858,600					
	Corrosion, Extent : Moderate, Area Affe Location : Random	ected : 25%	,					
	Loss of Section, Extent : Light, Area Aff Location : Random	ected : 10%						
	Rust Stains, Extent : Moderate, Area Afj	fected : 25%						
	Location: Random							
Secondary Member								
Steel	80%	LIFE **	2-8 \$719,300					
Steel	20% 2-4 \$481,900	LIFE **	2-8 \$719,300					
	Corrosion, Extent : Light, Area Affected : 15%							
	Location: Random							
	Rust Stains, Extent : Moderate, Area Afj	fected : 25%						
	Location: Random							

^{**} 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 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,286,700	
Bridge Electrical	\$1,054,600	\$189,400
Bridge Mechanical	\$336,900	
Total	\$2,678,200	\$189,400
Importance Code A	\$1,004,200	
Importance Code B	\$1,674,000	\$189,400
Total	\$2,678,200	\$189,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$35,400		\$200	\$5,200
Bridge Electrical	\$37,500			
Bridge Mechanical	\$50,700			
Total	\$123,600		\$200	\$5,200
Importance Code A			\$200	
Importance Code B	\$88,200			
Importance Code C	\$35,400			\$5,200
Total	\$123,600		\$200	\$5,200



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

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

Asset #: 13513

Bridge Structure	Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals	1000/			de de			
Granite	100%		LIFE	* *			
Backwall	100%		LIFE	* *			
Concrete Proce Apar Place Pode	100%		LIFE				
Brngs,Ancr Blts,Pads Steel	100% Now Broken/Missing Elem Location: Beginnin Loose Fastenings, Ex Location: All 4 Bea	g & End Abutmen tent : Severe, Area	ts, North Affected	Side Bearings Mis : 100%	sing 1 To	2 Anchor Bolts.	
Footings							
Not Accessible	100%						
Joint with Deck							
Generic	100% Other Observation, E Location : End Abus Explanation : Bridg	tment South Side			uth Cidou	vall.	
Mat (scour & erosion)	Explanation . Briag	e Side Kaisea 1.5 I	inches III	gner Than The Soi	un siaen	/aik	
Not Accessible	100%						
Stem (breastwall) Masonry: Granite	10% 4+ Other Observation, E Location : Beginnin Explanation : Maso	g & End Abutmen	ts	* * cted : 15%			
Masonry: Granite	90%	, ,	LIFE	* *			
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Not Accessible	100%						
Piles Not Accessible	100%						
Walls							
Granite	100% Other Observation, E Location: Beginnin Explanation: Maso	g & End Abutmen	ts	* * cted : 5%			
Feature Crossed		-					
Bank Protection							
Concrete	100%		LIFE	* *			
Riprap	100% 4+ Erosion, Extent : Mod Location : Begin No		LIFE ted : 15%	* *			
Timber	100%		2024				
Mat (scour & erosion) Not Accessible	100%						

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

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

Asset #: 13513

Bridge Structure		Current F	Repair	Futur	re Replacement	M	aintenance	
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	* *			
		_	ents, Extent : Mod	erate, Ar	ea Affected : 15%	ó		
			oan Pivot Pier					
			xtent : Moderate, A	rea Affe	cted : 25%			
	Location	ı : Swing Sp	oan Pivot Pier					
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	* *			
			erate, Area Affecte					
		_	orth And South Side					
		_	ht, Area Affected :	20%				
	Location	ı : Begin No	orth Sidewalk					
Movable Bridges								
Swing Span Truss	1.00/	4.	ф аал 200	TIPE	* *			
Steel	10%	4+	\$235,300	LIFE				
			extent : Moderate, A	Area А <u></u> ijе	естеа : 10%			
		ı : Swing Sp		. Cootion	Lass And Comes	ion In I o	andinad Amana	
g. 1			tural Steel Exhibits				cauzea Areas.	
Steel	20%		\$705,900	LIFE	* *			
			Extent : Severe, Are	a Affecte	ed: 20%			
	Location: Swing Spans 1 & 2 Explanation: Section Loss And Corrosion On Primary And Secondary Members. Sidewalks							
		tion : Sectio Deteriorat		sion On I	Primary And Seco	ndary Me	embers. Sidewalks	
Garat		Deteriorat	ea.	LIDE	* *			
Steel Steel Pierr Pierr	70%			LIFE	* *			
Swing Span Pivot Pier	1000/			LIFE	* *			
Concrete	100%	amation E	rtant . Madanata					
			xtent : Moderate, A van Pivot Pier	11еи Ajje	ссіви . 1070			
			nan Fivoi Fier nry Pointing Needo	ad				
-	Елриапа	uon . muso	m y 1 omung weed	e u				

Bridge Electrical	Cur	rrent Repair	Futur	re Replacement	М	aintenance	
System Component Type		Date Estimated Cost ears)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical Communications							
Generic	100%		2017	\$11,500			

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.

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

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

Asset #: 13513

Bridge Electrical	trical Current Repair		Repair	Future Replacement		M		
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	* *			
Disconnect Switch								
Generic	100%			2022	\$10,600			
Limit Switch								
Rotary	100%			2017				
Generic	100%	2-4	\$19,600	2044	* *			
			Extent : Moderate, A	Area Affe	cted : 75%			
			mit Switches					
	•		e Limit Switch Cove	ers Corre	oded And Leaving	Interior (Components	
El I.D.	Exposed							
Electrical Power								
Dist Equip & Motor Controll Generic	100%			2022	\$189,400			
	100%			2022	\$109,400			
Raceway Submarine Control Cables								
Generic General Capies	100%			2018	\$315,600			
Wiring	10070			2010	Ψ313,000			
Generic	100%			2018	\$498,800			
Traffic System Electrical	10070			2010	ψ.,,,,,,,			
Traffic Signal								
Generic	100%	Now	\$40,500	2019	\$135,100			
	Broken/M	issing Elem	ents, Extent : Mod	erate, Ar				
	Location	ı : East App	roach, North Stopl	ight Mis	sing			
	Other Ob	servation, E	Extent : Light, Area	Affected	: 10%			
	Location	ı : Flashers	Mounted On Struc	ture				
	Explana	tion : Gong	s Inoperative On V	ehicular'	Gates			
Lighting								
Lighting Devices								
Generic	80%	Now	\$6,500	2018	\$64,500			
			Extent : Light, Area	Affected	: 10%			
	Location	ı : Roadway	v Lighting					
	Explana	tion : One l	Fixture Inoperative					
Generic	20%			2029	* *			

Bridge Mechanical	Current Repa	ir	Future	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Swing							
Center Latch							
Generic	100% Now	\$10,700	2027	* *			
	Other Observation, Extens	: Moderate, Are	ea Affec	ted : 50%			
	Location: Center Latch						
	Explanation: Componer	its Are Corrodea	l And N	leed Manual Assis	tance Fo	r Operation.	
Center Pivot							
Generic	100%	2	2027	* *			

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

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

Asset #: 13513

ridge Mechanical	Current Repair	Future Replacement	Maintenance	
vstem Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost Pr (Yrs)	riority
ving				
End Lift Generic	100% Now \$70,400 Other Observation, Extent: Severe, A Location: End Lifts Explanation: Roller Assemblies And Repair.	rea Affected : 100%	sitions. Brakes Require	
Houses	перии.			
Access Ways	100% Now \$28,600 Other Observation, Extent: Severe, A Location: Center Pivot Pier And En Explanation: Some Center Pivot De Severely Corroded.	rea Affected : 10% ad Lift Accessways	red. Grating At End Lifts Is	
Control House	100% Now \$78,200 Other Observation, Extent: Moderate Location: Control And Bridge House Explanation: The Bridge House Is A Control House Require Repairs.	, Area Affected : 100% se	The Bridge House And	
Main Drive System Generic	100% Now \$43,300 Other Observation, Extent: Light, Ar Location: Operating Machinery	ea Affected : 50%	on sing Nooded	
Rack	Explanation : Some Oil Leakage. Bi	akes Are Not Functioning, K	epairs Needea.	
Generic	100%	LIFE **		
Structural Bearings Generic	100% Now \$5,200 Other Observation, Extent: Moderate Location: Raceways, Roller Nest A Explanation: Components Are Near Bolts.	2020 \$103,700 , Area Affected : 75% ad Bases	Life. Some Broken Anchor	
Traffic Devices Barrier Gate	100% Now \$6,200 Other Observation, Extent: Severe, A Location: Barrier Gates	rea Affected : 100%	Come Missing Handware	
Warning Gate	Explanation: Gates Do Not Lock In 100% Now \$41,300 Other Observation, Extent: Severe, A Location: Warning Gates Explanation: Some Missing Gate A	2027 ** rea Affected : 50%	- C	

^{**} 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 : 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$169,200	\$1,893,600
Bridge Electrical		\$1,117,300
Bridge Mechanical	\$544,900	
Total	\$714,100	\$3,010,900
Importance Code A		\$904,800
Importance Code B	\$544,900	\$1,936,800
Importance Code C	\$169,200	\$169,200
Total	\$714,100	\$3,010,900

Bridge Structure \$65,400 \$187,100 Bridge Electrical \$48,600 \$10,400 \$7,200 \$7,20 Bridge Mechanical \$133,600 \$71,800 Total \$247,600 \$10,400 \$266,100 \$7,20 Importance Code A \$14,900 \$85,600	Total	\$247,600	\$10,400	\$266,100	\$7,200
Bridge Structure \$65,400 \$187,100 Bridge Electrical \$48,600 \$10,400 \$7,200 \$7,20 Bridge Mechanical \$133,600 \$71,800 Total \$247,600 \$10,400 \$266,100 \$7,20 Importance Code A \$14,900 \$85,600	Importance Code C	\$27,800		\$19,300	
Bridge Structure \$65,400 \$187,100 Bridge Electrical \$48,600 \$10,400 \$7,200 \$7,20 Bridge Mechanical \$133,600 \$71,800 Total \$247,600 \$10,400 \$266,100 \$7,20	Importance Code B	\$205,000	\$10,400	\$161,200	\$7,200
Bridge Structure \$65,400 \$187,100 Bridge Electrical \$48,600 \$10,400 \$7,200 \$7,20 Bridge Mechanical \$133,600 \$71,800	Importance Code A	\$14,900		\$85,600	
Bridge Structure \$65,400 \$187,100 Bridge Electrical \$48,600 \$10,400 \$7,200 \$7,200	Total	\$247,600	\$10,400	\$266,100	\$7,200
Bridge Structure \$65,400 \$187,100	Bridge Mechanical	\$133,600		\$71,800	
	Bridge Electrical	\$48,600	\$10,400	\$7,200	\$7,200
EXPENSE FY 2017 FY 2018 FY 2019 FY 202	Bridge Structure	\$65,400		\$187,100	
	EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020



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

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

Asset #: 2500

Bridge Structure	Current F	Repair	Futur	e Replacement	М	aintenance		
System Component Type	% of Fail Date Total (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+	\$22,800	LIFE	* *				
	Broken/Missing Elem							
	Location: End Abu		_					
	Leakage, Extent : Mo			ó				
	Location : Beginnin	g And End Abutme	ents					
Pedestals								
Concrete	100%		LIFE	* *				
Stem (breastwall)								
Concrete	100%		LIFE	* *				
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls	400-							
Concrete	100%		LIFE	* *				
Feature Crossed								
Bank Protection	1000/		LIEE	* *				
Sheet Piling	100%	M. 1	LIFE					
	Other Observation, E							
	Location : Approxim			-				
M. (0 :)	Explanation : Steel	Bulkhead Damage	d For 25	ft				
Mat (scour & erosion)	1000/							
Not Accessible	100%							
Pier Protection	1000/		LIDE	* *				
Timber	100%	Anna Affrond 1 1	LIFE	* *				
	Rotted, Extent : Light, Area Affected : 1% Location : Starting On The Tops Of Dolphin Piles At Bascule Piers 5 & 6							
					18 J & O			
	Split/Dry/Cracked, E.	_						
Annroaches	Location: Random	Localions On Base	uie Pier	8 J & U				

Approaches

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

Asset #: 2500

Bridge Structure	Current Repair Future Replacement				М			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement								
Asphalt	Location Other Obs Location	t, Extent : L n : Beginnin servation, E n : Beginnin	ight, Area Affected Ig And End Approd Extent : Light, Area Ig And End Approd alt Recently Repav	iches Affected iches	* * : 5%	4	\$10,700	
Concrete		Extent : Mo	\$15,500 derate, Area Affect ag Approach	2039 ted : 2%	* *	4	\$26,100	
Curbs			<u> </u>					
Concrete w/ Steel Face		, Extent : L	\$14,900 ight, Area Affected es Of The Beginnin		* * nd Approaches			
Guide Railing								
Steel	100%			LIFE	* *	2-8		
Pavement Base Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	* *			
Piers Cap Beam Concrete Steel	100% 100%			LIFE LIFE	* *	2-8		
Pier,Columns								
Concrete	100%			LIFE	* *			
Stem,Solid Pier Concrete	100%			LIFE	* *			
Brngs,Ancr Blts,Pads	1000/				de de	• •	#30 #00	
Steel	100%			LIFE	* *	2-8	\$29,500	
Footings Not Accessible	100%							
Mat (scour & erosion) Not Accessible	100%							
Pedestals	1000/			* ****	de de			
Concrete	100%			LIFE	* *			
Deck Elements								
Curbs Concrete w/ Steel Face			ight, Area Affected 5 & 7 - 12	LIFE 1: 30%	* *			
Railings/Parapets Steel	Location	servation, E 1 : Spans 1	Extent : Light, Area - 5 & 7 - 12 s With Railings.	LIFE Affected	**	2-8	\$58,600	

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

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

DEPARTMENT OF TRANSPORTATION - 841 GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK

Asset #: 2500

Bridge Structure	Current Repair	Future Repla	Future Replacement		Maintenance			
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Peck Elements								
Sidewalks								
Concrete	100%	2034	* *	5	\$38,600			
	Other Observation, Extent: Light,	Area Affected : 1%						
	Location : Spans 1 - 5 & 7 - 12	7 10						
W C C	Explanation: Only Spans 1 - 5 &	2 / - 12						
Wearing Surface Concrete	100%	2039	* *	5	\$338,400			
	100%	2039			\$330,400			
Superstructure Deck,Structural								
Concrete	100%	LIFE	* *	5	\$66,000			
Concrete	Other Observation, Extent : Severe			3	ψου,οοο			
	Location : Span 3	,, · · · · ·						
	Explanation : 3 Sqft Stay In Plac	e Form Is Corroded.						
Joints	1 2							
Generic	100% 2-4 \$8,6	500 LIFE	* *					
	Leakage, Extent : Moderate, Area	Affected : 2%						
	Location : Pier 10							
	Missing/Damaged Seal, Extent : M							
	Location : Pier 4 Armored Joint A	-	-					
	Other Observation, Extent: Moder	rate, Area Affected : 2	20%					
	Location : Spans 3, 4, 7 & 10							
	Explanation : Joints Filled With	Dirt.						
Primary Member								
Steel	100%	LIFE	* *	2-8	\$1,530,700			
Secondary Member	1000/	I IEE	* *	2.0	#1 202 200			
Steel	100%	LIFE	* *	2-8	\$1,282,300			
Movable Bridges								
Bascule Span Steel	100%	LIFE	* *					
Steel	Other Observation, Extent : Light,							
	Location: Bascule Span 6	тиси тујескей . 1/0						
	Explanation : Sidewalk & Roadw	vav Wearing Surface	Is New					
Bascule Span Pier	promotion . State and a Rodan	can mag sunjuce i						
Concrete	100%	LIFE	* *					
	Other Observation, Extent : Moder		15%					
	Location : Bascule Span Piers 5 & 6							
	Explanation: Base Of Trunnion	Tower Columns Exhi	bit Corrosia	on,				

Bridge Electrical	Current Repair		Future Replacement		Maintenance			
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 Other Observation, Extent: Severe, Area Affected: 100%

Location: Entire Bridge

Explanation: Intercom Not Functioning

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

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

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

Asset #: 2500

Bridge Electrical	Current Re	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date I Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical							
Telephone	1000/		2022				
Desk Top	100%		2023				
Control System Electrical							
Control Console	1000/ 4	¢0.200	LIDD	* *			
Stainless Steel	100% 4+	\$9,200	LIFE				
	Broken/Missing Elemer Location : Knob On F						
	Other Observation, Ext						
	Location : Control De	_	Ајјестеи	. 1070			
	Explanation: Power		okan Ind	icatina Liahts			
Control Devices	Explanation . Fower	reeder Knob Bro	oken, inai	icanng Lignis			
Relay	100% Now	\$7,400	2029	* *			
Relay	Other Observation, Ext						
	Location : Motor Driv		пен Аује	ciea . 5070			
	Explanation : Meters		ırae Dur	ing Operation Of I	Drives		
Disconnect Switch	Explanation . Meters	Show Current St	irge Duri	ing Operation Of L	rives		
Non Fused	100%		2037	* *	1	\$35,900	
Limit Switch	10070		2037			ψ33,700	
Generic	100%		2037	* *			
Local Starter	10070		2031				
Magnetic	100%		2037	* *			
Drive	100/0		2037				
Machinery Brake							
Thruster	100%		2050	* *	1	\$1,100	
Motor Brake						7-,	
Thruster	100%		2044	* *	1	\$1,100	
Span Lock Motor						7-,	
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				
	Broken/Missing Elemer						
	Location: Northeast	And Southeast Re	oadway L	ights Inoperative			

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

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

Asset #: 2500

Bridge Electrical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior Lighting								
Pole	1.000/			2025				
Steel	100%			2025				
Spot Lighting	4007			2015	Φ < 200			
Generic	40%		фооо	2017	\$6,300			
Generic	60%		\$900	2022	\$9,400			
			nents, Extent : Mode	erate, Ar	ea Affected : 10%			
- 1/1.1.1. D	Locanor	ı : Areaway	VS .					
Ground/Lightning Protection								
Ground Rod	1.000/							
Not Accessible	100%							
Interior Lighting								
Lighting Fixture	1.000/			2010	Ф2 200	4	Φ7. 600	
Fluorescent	100%			2018	\$3,200	1	\$5,600	
HID	100%			2022	\$3,200			
Incandescent	100%			2017	\$3,200			
Wiring Device	4.00			• • • •	de de			
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%							
Fraffic System Electrical								
Traffic Gate Lighting								
Traffic Gate Lighting								

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

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

Asset #: 2500

Bridge Electrical	Current Re	epair Futu	ire Replacement	M	aintenance	
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Traffic System Electrical						
Traffic Gong						
Generic	100%	2019)	1	\$600	
Traffic Signal						
Generic	100%	2022		1	\$600	

idge Mechanical	Current Repair	Future Replacement	M	laintenance	
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cos FY	Cycle (Yrs)	Estimated Cost	Priorit
scule					
Counter Weight					
Generic	100% 2-4 \$50,000 Other Observation, Extent: Moderate, A Location: Counterweights Explanation: Some Corrosion Present		• 2	\$71,800	
Houses					
Access Ways	100% Now \$24,800 Other Observation, Extent: Moderate, A Location: Throughout All Areas Explanation: Some Grating And Door Missing At Northwest & Northeast			ess Platform	
Control House	100% Now \$55,800 Other Observation, Extent : Moderate, A Location : Control House	33			
	Explanation : The Roof, Some Doors A Repair. Water Heater Leaks.	•		oor Panels Need	
Machinery Room	100% Now \$34,300 Other Observation, Extent: Moderate, A Location: Machinery Rooms Explanation: Machinery Rooms Are C Repair.			d Locks Need	
Lock Bars	repuiii				
With Motor	100% Now \$106,400 Other Observation, Extent: Moderate, A Location: Lock Bars Explanation: All Lockbar Clearances	-		From Goar	
	Reducers And Components Are Corro		Leukuge	rom Gear	
Main Drive System	•				
Generic	100% Now \$237,500 Other Observation, Extent: Light, Area Location: Operating Machinery Explanation: Oil Leakage. Componen Deteriorating. Southwest Differential	ts Are Corroding & Coup	2	\$215,500 ets Are	
Rack					
Generic	100% Now \$28,700 Other Observation, Extent: Light, Area Location: Racks Explanation: Some Corrosion On Sup		•		

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

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

DEPARTMENT OF TRANSPORTATION - 841 GREENPOINT AVE. BRIDGE GREENPOINT AVE/NEWTOWN CREEK

Asset #: 2500

ridge Mechanical	Current Repair	Future Replacement	Maintenance						
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority					
scule									
Structural Bearings									
Generic	100% Now \$1,100	2033 **							
	Other Observation, Extent : Moderate, A	Area Affected : 100%							
	Location: Live Load Bearings								
	Explanation : Bearings Need To Be A	djusted In Conjunction With	h Locks.						
Traffic Devices									
Barrier Gate	100% Now \$20,000	2027 **							
	Other Observation, Extent : Severe, Are	a Affected : 2%							
	Location: Barrier Gates								
	Explanation : Vehicle Restraint Systen Locks On Some Gates.	n Requires Repair. Broken/	Missing Hardware &						
Warning Gate	100% Now \$24,800	2027 **							
	Other Observation, Extent : Moderate, Area Affected : 10%								
	Location: Warning Gates								
	Explanation: Broken Guy Wire And Anchor Bolt On One Gate. Missing Locks.								
Trunnion				•					
Generic	100% Now \$95,200	2052 **							
	Other Observation, Extent : Moderate, Area Affected : 10%								
	Location: Trunnion Assemblies								
	Explanation: Corrosion. Slight Squeak On West For A Few Degrees Of Operation. Most Likely Small Dry Spot Of Grease.								

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

Area Sq Ft : 7,300 Project Type : WATERWAY BRIDGES

Date of Survey : 04-Feb-2015 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240232

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,160,600	\$2,658,500
Total	\$1,160,600	\$2,658,500
Importance Code A	\$112,600	\$112,600
Importance Code B	\$505,900	
Importance Code C	\$542,100	\$2,545,900
Total	\$1,160,600	\$2,658,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$64,800	\$29,000	\$13,700	
Bridge Electrical	\$41,200	\$6,600	\$6,600	\$6,600
Bridge Mechanical	\$120,000		\$71,800	
Total	\$226,000	\$35,600	\$92,100	\$6,600
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	
Total	\$226,000	\$35,600	\$92,100	\$6,600



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 13434

Bridge Structure	Current Repa	ir Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments						
Bridge Seat&pedestals Concrete	100%	LIFE	* *			
Backwall						
Concrete	100%	LIFE	**			
	Other Observation, Extend Location : End Abutmen Explanation : Backwall	0 00	: 1%			
Brngs,Ancr Blts,Pads	Ехріапаноп : Васкwан					
Not Accessible	100% Other Observation, Extend Location : End Abutmen Explanation : Bearings i	t Only	: 0%			
Footings	1 0					
Not Accessible	100%					
Mat (scour & erosion) Not Accessible	100%					
Stem (breastwall)						
Concrete	100% 4+ Cracks, Extent : Light, Ar Location : End Abutmen		* *			
Masonry: Granite	100% Other Observation, Extendation: Begin Abutme		* * : 1%			
	Explanation : Begin Abu	ıtment				
Walls						
Concrete	100%	LIFE	**			
	Other Observation, Extend Location : Span 3		: 1%			
	Explanation : Walls Enc	close Span 3				
Wingwalls Footings	1000/					
Not Accessible	100%					
Mat (scour & erosion) Generic	100%	LIFE	* *			
Piles	10070	EH E				
Not Accessible	100%					
Walls						
Concrete	100%	LIFE	* *			
Feature Crossed						
Bank Protection	1000/	I IFF	* *			
Concrete	100%	LIFE				
Timber	50% Now	2026 \$353,600 2026	\$1,178,700			
Timber	50% Now Broken/Missing Elements, Location: Begin Abutm	Extent : Severe, Area	\$1,178,700 Affected : 25%			
Mat (scour & erosion) Not Accessible	100%	om rigni bitte.				

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

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

Asset #: 13434

Bridge Structure	Current	Current Repair		e Replacement	Maintenance		
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed	•		•				
Pier Protection							
Timber	100%		LIFE	* *			
	Other Observation,		Affected	: 1%			
	Location: Piers 1						
	Explanation : Pier	rs 1 & 2.					
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	
	Other Observation,	Extent : Light, Area	Affected	: 1%		,	
	Location: Pier 2						
	Explanation : Stee	el Columns Support	Bascule (Girders.			
Stem,Solid Pier	•						
Concrete	100%		LIFE	* *			
Brngs,Ancr Blts,Pads							
Steel	100%		LIFE	* *	2-8	\$11,500	
Footings	~~,~					+ - 1,000	
Not Accessible	100%						
Mat (scour & erosion)	/						
Not Accessible	100%						
Pedestals	100/0						
Concrete	100%		LIFE	* *			
Deck Elements	100/0		LH L				
Curbs							
Steel	100%		LIFE	* *			
Guide Railing	100/0		ъп ъ				
Steel	100%		LIFE	* *			
Median	10070		гил				
	1.000/		2052	* *			
Cobblestone	100%		2052				
Railings/Parapets	1000/		TIPE	* *	2.0	¢12.000	
Steel	100%		LIFE	~ *	2-8	\$13,800	
Sidewalks	10004		2024		-	40.000	
Concrete	100%		2034	* *	5	\$9,600	

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

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

Asset #: 13434

Bridge Structure	Current Repair	Future	Replacement	Maintenance		
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year 1 FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Wearing Surface						
Asphalt	100%	2030	* *	5	\$139,200	
Concrete	100%	2039	* *	5	\$156,900	
Steel Grating	100%	LIFE	* *	5	\$80,700	
	Other Observation, Extent : Lig	ht, Area Affected :	1%			
	Location: Span 2					
	Explanation : Steel Grating In	n Bascule Span.				
Superstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$16,100	
Steel Grating	100%	LIFE	* *	5	\$80,700	
	Other Observation, Extent : Lig	ht, Area Affected :	1%			
	Location: Span 2					
	Explanation : Steel Grating In	n Bascule Span.				
Joints						
Steel	100%	LIFE	* *			
Primary Member						
Concrete	100%	LIFE	* *	5		
	Other Observation, Extent : Lig	ht, Area Affected :	1%			
	Location: Span 1					
	Explanation : Concrete Ribbe	d Arches.				
Steel	100%	LIFE	* *	2-8	\$231,300	
Secondary Member					•	
Concrete	100%	LIFE	* *	5		
Movable Bridges						
Bascule Span						
Steel	100%	LIFE	* *			
Bascule Span Pier						
Concrete	100%	LIFE	* *			

Bridge Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%			2026	\$18,000			
Telephone								
Desk Top	100%			2026	\$300			
Jack								
Telephone	100%			2026	\$200			
Control System Electrical								
Computer								
PLC	100%	Now	\$7,400	2026	\$24,700			
	Other Obs	ervation, E	xtent : Light, Area	Affected	1:10%			
	Location	: Plc In O	perators Room					
	Explanat	ion : Gate	Group Raise Not F	unctioni	ng			

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

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

Asset #: 13434

Bridge Electrical	Current Rep	oair Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical						
Control Console						
Stainless Steel	100%	LIFE	* *			
Control Devices						
Relay	100%	2046	* *			
Disconnect Switch						
Non Fused	100%	2046	* *	1	\$35,900	
Limit Switch						
Rotary	100%	2026				
Local Starter						
Magnetic	100%	2046	* *			
Drive						
Grating Motor						
Generic	100%	2056	* *			
Machinery Brake						
Thruster	100%	2056	* *	1	\$1,100	
Motor Brake						
Thruster	100%	2056	* *	1	\$1,100	
Span Lock Motor						
Generic	100%	2056	* *	1	\$600	
Electrical Power						
PanelBoard						
Circuit Breaker	100%	2046	* *	1	\$6,700	
Service Equipment						
Circuit Breaker	100%	2046	* *			
Transfer Switch						
Auto	100%	2046	* *			
Exterior Lighting						
Spot Lighting						
Generic	100%	2026	\$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	
		nt : Severe, Area Affecte	d: 100%			
	Location : Bascule Spo					
	Explanation : Red Ligh	nts Not Working				
Raceway						
Box						
Pull Junction	100%	2036	* *	1	\$4,500	

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

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

Asset #: 13434

Bridge Electrical		Current Repair		Future	e Replacement	M	Maintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Raceway								
Conduit								
Metal	100%			2066	* *			
Submarine Control Cables	400				de de			
Control	100%			2031	* *			
Submarine Power Cable	1000/			2021	* *			
Power	100%			2031	* *			
Trough	1000/			2066	* *	1	¢1 100	
Metal	100%			2066	4. 4.	1	\$1,100	
Wires Thermoplastic	100%			2046	* *			
Span Lock	100%			2040				
Motor								
Squirrel Cage	100%			2041	* *			
Stand-by Power	10070			2011				
Generator								
Diesel	100%	Now	\$15,200	2046	* *	1	\$4,000	
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 100%		. ,	
	Location	: Generate	or House					
	Explanat	ion : Gene	rator Not Function	ing				
Transfer Switch								
Auto	100%			2046	* *			
Traffic System Electrical								
Barrier Gate Lighting								
Incandescent	100%			2026	\$14,500	1	\$1,100	
Traffic Gate Lighting	400		**		****		44.000	
Incandescent	100%	Now	\$300	2026	\$14,500	1	\$1,000	
			Extent : Light, Area	Ађестеа	: 10%			
		: Se Warn	_					
Traffic Gong	Expianai	ion : Flasi	ning Light Out					
Generic	100%			2026	\$15,200	1	\$600	
Traffic Sign	10070			2020	\$13,200	1	\$000	
Fixed	100%			2026				
Traffic Signal	100/0			2020				
Generic	100%			2026	\$2,700	1	\$600	
Lighting	100/0			2020	Ψ2,700		Ψ000	
Lighting Devices								
Generic	100%	Now	\$10,300	2031	* *			
			Extent : Light, Area		: 25%			
		: Various	_					
	Explanat	ion : Exit	Lighting Did Not F	unction V	When Tested With	Button O	n Unit.	

Bridge Mechanical		Current F	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Bascule

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

 $\label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 13434

idge Mechanical	Current Repair		Futur	e Replacement	М		
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
scule							
Counter Weight							
Generic	100%		2061	* *	2	\$44,900	
Emergency Drive							
Emergency Power			erved. Ci	heck Operation & I	2 For The I	\$71,800 Presence Of	
Fuel Tanks	Exhausi Gas In Co	miroi Tower. Wissin	g Hunun	e LOCKS			
Generic	100%		2043	* *			
Houses	10070						
Access Ways	Explanation : Hate	\$2,100 Extent : Moderate, A Ways, Sump Pump I Thes Leak. Locking I rdware & Chains. M	Room An Pin For S	d Cwt Pits Swing Platform, Su	тр Ритр	o Stairs Needs	
Control House	100% Now	\$25,000	2061	* *			
		_	ors, Pern	nanent Shades Req	uired. Al	larms, Sewer	
Machinery Room	100% Now	\$4,300	2061	* *			
•	Other Observation, I Location : Machin	Extent : Light, Area e Room		: 2%			
T 1 D	Explanation: Som	e Water Leakage In	to Room				
Lock Bars With Motor	60% Now Other Observation, I Location: East Loc	ck Bars			2	\$35,900	
	Explanation : Some Release Pulled. Mi	e Coverage Of Debi nor Adi-Required	ıs. Missi	ng Single Ana/or L	ouble N	uts. Brake	
With Motor	40%	ray. required.	2039	* *	2	\$44,900	
Main Drive System	→ 0/0		2039	<u> </u>		ψ++,200	
Generic	100% Now Other Observation, I Location: East Mo Explanation: Brea Covers Removed.				2 inor Lea	\$107,800 ks And Machinery	
Rack							
Generic	100% Other Observation, I Location : Racks Explanation : Some Support.	Extent : Light, Area e Surface Corrosion			terior Of	Rack And	

Maintenance \$ are aggregated over a ten-year period. Site 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 Mechanical	Current R	epair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ascule							
Structural Bearings							
Generic	100% Now	\$5,300	2039	* *			
	Other Observation, Ex	tent : Moderate, A	Area Affe	ected : 2%			
	Location: Cwt Pit						
	Explanation: Bumpe	er Block Wood Is	Splitting.				
Traffic Devices							
Barrier Gate	100% Now	\$17,900	2039	* *			
	Other Observation, Ex	tent : Moderate, A	Area Affe	cted : 10%			
	Location: Barrier G	ates					
	Explanation : Some	Doors And Hardw	are Dan	aged			
Warning Gate	100%		2039	* *			
Trunnion							
Generic	100%		2061	* *			

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

Area Sq Ft : 7,300 Project Type : WATERWAY BRIDGES

Date of Survey : 04-Feb-2015 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240231

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$1,125,100	\$1,014,300
Bridge Electrical		\$137,000
Bridge Mechanical	\$101,600	
Total	\$1,226,600	\$1,151,400
Importance Code A	\$467,900	\$467,900
Importance Code B	\$529,200	\$564,600
Importance Code C	\$229,500	\$118,800
Total	\$1,226,600	\$1,151,400

EXPENSE FY 2017 FY 2018 FY 2019 Bridge Structure \$268,200 \$29,000 \$92,200 Bridge Electrical \$46,000 \$6,600 \$6,600 Bridge Mechanical \$166,100 \$98,800 Total \$480,300 \$35,600 \$197,600 Importance Code A \$171,500 \$44,200 Importance Code B \$297,000 \$6,600 \$148,600 Importance Code C \$11,800 \$29,000 \$4,800	al	\$480,300	\$35,600	\$197,600	\$14,300
Bridge Structure \$268,200 \$29,000 \$92,200 Bridge Electrical \$46,000 \$6,600 \$6,600 Bridge Mechanical \$166,100 \$98,800 Total \$480,300 \$35,600 \$197,600 Importance Code A \$171,500 \$44,200	ortance Code C	\$11,800	\$29,000	\$4,800	\$7,700
Bridge Structure \$268,200 \$29,000 \$92,200 Bridge Electrical \$46,000 \$6,600 \$6,600 Bridge Mechanical \$166,100 \$98,800 Total \$480,300 \$35,600 \$197,600	ortance Code B	\$297,000	\$6,600	\$148,600	\$6,600
Bridge Structure \$268,200 \$29,000 \$92,200 Bridge Electrical \$46,000 \$6,600 \$6,600 Bridge Mechanical \$166,100 \$98,800	ortance Code A	\$171,500		\$44,200	
Bridge Structure \$268,200 \$29,000 \$92,200 Bridge Electrical \$46,000 \$6,600 \$6,600	ıl	\$480,300	\$35,600	\$197,600	\$14,300
Bridge Structure \$268,200 \$29,000 \$92,200	ge Mechanical	\$166,100		\$98,800	
	ge Electrical	\$46,000	\$6,600	\$6,600	\$6,600
EXPENSE FY 2017 FY 2018 FY 2019	ge Structure	\$268,200	\$29,000	\$92,200	\$7,700
EV 2047 EV 2040 EV 2040	ENSE	FY 2017	FY 2018	FY 2019	FY 2020



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 4217

Bridge Structure	Current Repair	Future l	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments						
Bridge Seat&pedestals						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Ar	ea Affected : 1	1%			
	Location : End Abutment					
= .	Explanation : Concrete Bridge Seat	•				
Backwall	1000/	I IEE	* *			
Concrete	100%	LIFE				
	Other Observation, Extent: Light, Ar	ea Affected : 1	1%			
	Location: End Abutment					
Daniel Anna Die De I	Explanation : End Abutment					
Brngs,Ancr Blts,Pads Not Accessible	100%					
Not Accessible	Other Observation, Extent : Light, Ar	oa Affootod : I	00%			
	Location: End Abutment Only.	еи Аујестеи . С	070			
	Explanation: Bearings Not Accession	hle				
Footings	Explanation . Bearings two Accessi	ne				
Not Accessible	100%					
Mat (scour & erosion)	10070					
Not Accessible	100%					
Stem (breastwall)	10070					
Concrete	100%	LIFE	* *			
Masonry: Granite	100%	LIFE	* *			
	Other Observation, Extent : Light, Ar		1%			
	Location : Begin Abutment					
	Explanation: Begin Abutment					
Walls						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Ar	ea Affected : 1	1%			
	Location: Span 3					
	Explanation: Walls Enclose Span 3					
Wingwalls				_		
Footings						
Not Accessible	100%					
Mat (scour & erosion)	100-1					
Generic	100%	LIFE	* *			
Piles	1000/					
Not Accessible	100%					
Walls	1000/	TIPE	sta -t-			
Concrete	100%	LIFE	* *			

Feature Crossed

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

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

Asset #: 4217

Bridge Structure	Curre	nt Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Year	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed							
Bank Protection							
Riprap	100% 4+	\$110,700	LIFE	* *			
		Light, Area Affected : Abutment Left Side	10%				
Sheet Piling	100%		LIFE	* *			
Timber	90%		2031	* *			
Timber	10% Now	\$11,800	2031	* *			
	Broken/Missing El	lements, Extent : Seve	re, Area	Affected : 10%			
	Location : End A	butment Left Side					
Mat (scour & erosion) Not Accessible	100%						
Pier Protection							
Timber	100%		LIFE	* *			
	Other Observation	, Extent : Light, Area	Affected	: 1%			
	Location: Piers	1 & 2.					
	Explanation : Pi	ers 1 & 2.					
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	
		ı, Extent : Light, Area	Affected	: 1%			
	Location: Pier 2	?					
	Explanation : Ste	eel Columns For Basc	cule Span	l			
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%						

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

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

Asset #: 4217

Bridge Structure	Current Repair	Future Repla	acement	M	aintenance	
ystem Component Type	% of Fail Date Estimated Total (Years)	l Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ers						
Pedestals						
Concrete	100%	LIFE	* *			
	Other Observation, Extent: Light Location: Piers 1 & 2.	at, Area Affected : 1%				
	Explanation: Concrete Pedesta Bearings.	als For Span 2 At Pier I	Bearings A	And For	Span 3 At Pier 2	
eck 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	
	Other Observation, Extent : Ligh	t, Area Affected : 1%				
	Location: Span 2					
	Explanation : Steel Grating In	Bascule Span.				
perstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$6,600	
Steel Grating	100%	LIFE	* *	5	\$80,700	
	Other Observation, Extent : Ligh	t, Area Affected : 1%				
	Location: Span 2					
	Explanation : Steel Grating In	Bascule Span.				
Joints						
Steel	100%	LIFE	* *			
Primary Member						
Concrete	100% Other Observation, Extent : Ligh	LIFE at, Area Affected : 1%	* *	5		
	Location : Span 1 Explanation : Concrete Ribbea	! Arch.				
Steel	100%	LIFE	* *	2-8	\$1,368,800	
Secondary Member	10070	LHL		20	φ1,500,000	
Steel	100%	LIFE	* *	2-8	\$1,174,400	
ovable Bridges	100/0	LILL		20	Ψ1,1/7,700	
Bascule Span						
Bascule Span Steel	100%	LIFE	* *			
Bascule Span Steel Bascule Span Pier	100%	LIFE	* *			

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

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

Asset #: 4217

Bridge Electrical	Cui	rrent Repair Future Replacement		e Replacement	Maintenance		
System Component Type		Date Estimated Cost ears)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical Communications Generic	100%		2026	\$34,500			
Control System Electrical							
Computer PLC	100% No	+ + + + + + + + + + + + + + + + + + + +	2026	\$24,700			
	Location: Pla	ion, Extent : Light, Area : In Control Room Gate Group Raise Not I					
Control Console	Ехрининон .	Guie Group Ruise Woi I	unctioni	ng.			
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 Generic	Location: Mo						
76.11	Explanation :	Grating Motor Descript	tion Used	For Main Motor			
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%		2031				
Ground Wire Green	100%		2031	* *			
Green	100/0		2031	•			

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

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

Asset #: 4217

Bridge Electrical	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Navigation Lighting							
Pier Lighting	1000/ Now	\$200	2026	\$5,000	1	\$4,000	
Incandescent	100% Now Other Observation, E Location: North Pa		2026 Affected	\$5,900 : 10%	1	\$4,000	
	Explanation : Cent	er Pier Light Out					
Span Lighting	•						
Incandescent	100% Now Other Observation, E Location : East And Explanation : Red I	d West Bascule Ligi	hts	\$11,100 ected : 100%	1	\$2,000	
Raceway	Explanation : Rea I	Zigitis Ivoi vi orking					
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	1000/		20.44	de de			
Squirrel Cage	100%		2041	* *			
Stand-by Power							
Generator	100% Now	\$15,200	2046	* *	1	\$4,000	
Diesel	Other Observation, E				1	\$4,000	
	Location : Generat	_	Ајјестеи	. 100/0			
	Explanation : General		ino				
Transfer Switch	Explanation . Gene	I unciton	8				
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							

Lighting

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

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

Asset #: 4217

Bridge Electrical		Current I	Repair	Futu	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Lighting Devices								
Generic	50%	Now	\$5,200	2031	* *			
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 25%			
	Location	: Various	Locations					
	Explanat	tion : Bridg	ge Service Lighting	Has Son	ne Fixtures That A	re Not W	orking.	
Generic	50%	Now	\$10,300	2031	* *			
	Other Obs	ervation, E	Extent : Light, Area	Affected	! : 40%			
	Location	: Various	Locations					
	-	tion : Some On Unit	Emergency Exit L	ights Do	Not Work When T	ested Usi	ing The Test	

ridge Mechanical	Current Repair	Future Replacem	nent	Maintenance	
rstem Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estimated FY	Cost Cycle (Yrs		Priority
scule					
Counter Weight					
Generic	100%	2061	** 2	\$44,900	
Emergency Drive					
Emergency Power		9,900 2061	** 2	\$71,800	
	Other Observation, Extent : Sev				
	Location : Hpu And Control R				
	Explanation: Operation Was		ion And For T	he Presence Of	
Fuel Tanks	Exhaust Gas In Control Tower	r. Missing Hanate Locks.			
Generic	100%	2043	* *		
Houses	100/0	2043			
Access Ways	100% Now \$1	0,700 2039	* *		
riceess ways	Other Observation, Extent : Mo	· ·			
	Location : Access Ways, Sump	• • • • • • • • • • • • • • • • • • • •			
	Explanation: Hatches Leak. S Missing Grates.	ump Pump Stairs Needs Repo	airs. Loose Ho	urdware & Chains.	
Control House	100% Now \$2	7,100 2061	* *		
	Other Observation, Extent : Lig Location : Control House	ht, Area Affected : 2%			
	Explanation : Leaky Windows Pump, Heating And Water Sup		es Required. A	Alarms, Sewer	
Machinery Room	100% Now \$	8,600 2061	* *		
	Other Observation, Extent : Lig	ht, Area Affected : 2%			
	Location: Machine Room				
	Explanation : Some Water Lea	akage Into Room			
Lock Bars					
With Motor		6,300 2039	** 2	\$35,900	
	Other Observation, Extent : Mo	derate, Area Affected : 10%			
	Location: West Locks				
	Explanation : Some Coverage	Of Debris. Missing Single Ar	id/or Double	Nuts. Minor Adj.	
	Required.				

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

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

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

Asset #: 4217

Bridge Mechanical	Currer	t Repair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ascule							
Main Drive System							
Generic	30% Now	\$20,000	2061	* *	2	\$107,800	
		Extent : Moderate, A	Area Affe	cted : 10%			
	Location: West I						
	•	eathers Will Need To	Be Chang	ged Soon. Some M	inor Lea	ks And Machinery	
<i>C</i> :	Covers Removed		2061	* *		Ф124.700	
Generic	70%		2061	* *	2	\$134,700	
Rack	1000/		2061	* *			
Generic	100%	Entant . Light Ange	2061				
	Location : Racks	Extent : Light, Area	Ајјестеа	: 10%			
		ne Surface Corrosion	And Dal	bris Buildun On In	tarior Of	Pack And	
	Support.	ne surjace Corrosioi	i Ana Dei	тіз Бинаир Оп т	ierior Oj	киск Ана	
Structural Bearings	S.FF S. II						
Generic	75% Now	\$8,500	2041	* *			
	Other Observation	Extent : Moderate,	Area Affe	cted : 5%			
	Location: Cwt P	it And Bascule Span					
	Explanation : Bu Appeared To Not	mper Block Wood Is . Seated.	Splitting.	Some Bolts On Sp	an Cente	ring Guide	
Generic	25%		2039	* *			
Traffic Devices							
Barrier Gate	60% Now	\$101,600	2039	* *			
	Other Observation	, Extent : Severe, Are	ea Affecte	d : 10%			
	Location : Barrie	r Gates					
	-	coming Gate Not Fu	nctioning	And Has Crack In	Arm We	ld. Off Going	
	Gate Has Missin	g Arm Bolt.					
Barrier Gate	40%		2039	* *			
Warning Gate	100%		2039	* *			
Trunnion	2504	# 10.500	20.55				
Generic	25% Now	\$10,100	2061	**			
		Extent : Light, Area	Affected	: 2%			
	Location : West		E**				
a .		ssing Or Broken Gre					
Generic	75%		2061	* *			

^{**} 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 : 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$500,900	\$410,500
Bridge Electrical	\$169,600	\$95,200
Bridge Mechanical	\$520,200	\$247,600
Total	\$1,190,700	\$753,300
Importance Code A		\$114,300
Importance Code B	\$1,190,700	\$457,100
Importance Code C		\$182,000
Total	\$1,190,700	\$753,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$10,900		\$56,400	\$3,200
Bridge Electrical	\$39,900		\$34,500	
Bridge Mechanical	\$7,600			
Total	\$58,400		\$91,000	\$3,200
Importance Code A	\$100		\$11,900	
Importance Code B	\$47,500		\$46,000	
Importance Code C	\$10,700		\$33,100	\$3,200
Total	\$58,400		\$91,000	\$3,200



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

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

Asset #: 13712

Bridge Structure	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments						
Bridge Seat&pedestals						
Steel	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	ı Affected	: 50%			
	Location: Begin & End Abutment					
	Explanation : Debris On Bridge Seat.					
Backwall	1000/	LIDE	<i>ት</i> ታ			
Concrete	100%	LIFE	* *			
Brngs, Ancr Blts, Pads	1000/		de de			
Steel	100%	LIFE	**			
	Other Observation, Extent: Light, Area	ı Affected	: 50%			
	Location: Begin & End Abutment.					
T	Explanation : Debris On Bearings.					
Footings	1000/					
Not Accessible	100%					
Joint with Deck	1000/ N	LIDE	* *			
Generic	100% Now \$109,300	LIFE				
	Missing/Damaged Seal, Extent: Moder	ate, Area	Affectea : 50%			
	Location: Begin & End Abutment	A CC	1 500/			
	Other Observation, Extent: Severe, Are	ea Affecte	a: 50%			
	Location: Begin & End Abutment	1 4 11	W	0 D : 1	a .	
Pedestals	Explanation : Joint Sealer Cracked A	na Allows	water & Debris (эп втад	е ѕеат.	
Concrete	100%	LIFE	* *			
	100%	LIFE				
Stem (breastwall)	1000/	LIDE	* *			
Concrete	100%	LIFE				
Wingwalls						
Footings Not Accessible	100%					
	100%					
Mat (scour & erosion) Riprap	100%	LIFE	* *			
Piles	100%	LIFE				
Not Accessible	100%					
Walls	10070					
Masonry: Stone	100%	LIFE	* *			
Wasoniy. Stone	Other Observation, Extent : Light, Area					
	Location : All 4 Wingwalls	і Ајјестеи	. 2/0			
	Explanation : Efflorescence Located C	On The W	ingwalls			
Feature Crossed	Explanation . Efficience Localea (on the W	ing waiis			
Bank Protection						
Riprap	100% 4+ \$600	LIFE	* *			
Ταρταρ	Erosion, Extent : Moderate, Area Affect					
	Location : Begin Abut. Left Side Embe					
Mat (scour & erosion)	Established State Emot					
Stream Bed	100%	LIFE	* *			
Sucaili Deu	10070	LIIT				

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

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

Asset #: 13712

Bridge Structure		Current I	ent Repair Future Replacement Maintenance			aintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Feature Crossed								
Pier Protection								
Timber	Location Rotted, Ext	: Pier 1 &	\$391,600 nents, Extent : Ligh Bascule Pier 2 t, Area Affected : 20 rs		* * ffected : 10%			
Approaches								
Pavement								
Concrete		xtent : Lig : End App	ht, Area Affected : roach	2029 5%	**	4	\$1,000	
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Sidewalks Concrete		4+ Extent : M : Both App	\$500 Moderate, Area Affa proaches	LIFE ected : 10	* *			
Piers								
Stem,Solid Pier Masonry	Location	: Pier 1	Extent : Light, Area I Is In Good Condo		**			
Brngs,Ancr Blts,Pads	Елрини	ion . I ter	1 13 In Good Condi	non.				
Steel	Location	: Pier 1 S _I	\$100 Extent : Severe, Are pan 2 Side Right Be t Bearing At Pier 1	earing		2-8 pad.	\$900	
Steel	95%			LIFE	* *	2-8	\$900	
Footings							•	
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
Pedestals Concrete	100%			LIFE	* *			
Piles								
Not Accessible Deck Elements	100%							
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	

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

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

Asset #: 13712

Bridge Structure	Current Repai	r Futur	e Replacement	М	aintenance		
System Component Type	% of Fail Date Esti Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Deck Elements							
Wearing Surface							
Concrete	90%	2029	* *	5	\$66,200		
	Other Observation, Extent		: 1%				
	Location: Spans 1, 3 & 4						
	Explanation: Conc. Wea		1, 3 & 4.				
Concrete	10% 4+	\$9,300 2029	* *	5	\$33,100		
	Cracks, Extent: Light, Are						
	Location : Spans 1 And 4						
Superstructure							
Deck,Structural							
Concrete	100%	LIFE	* *	5	\$12,700		
	Other Observation, Extent	-	: 1%				
	Location: Spans 1, 3, &						
	Explanation : Located In	Spans 1, 3, & 4					
Joints							
Generic	100%	LIFE	* *				
Primary Member							
Steel	100%	LIFE	* *	2-8	\$213,400		
	Other Observation, Extent: Light, Area Affected: 1%						
	Location: Spans 1, 3 & 4						
	Explanation : Located In	Spans 1, 3 & 4.					
Secondary Member	1000/		ale ale	2.0	445 0 000		
Steel	100%	LIFE	* *	2-8	\$178,800		
	Other Observation, Extent	-	: 1%				
	Location: Spans 1, 3 &						
	Explanation : Located In	Spans 1, 3 & 4.					
Movable Bridges							
Bascule Span	1000/	TIPP	* *				
Steel P:	100%	LIFE	* *				
Bascule Span Pier	1000/	TIPE	* *				
Concrete	100% Other Observation Extent	LIFE					
	Other Observation, Extent Location: Piers 2 & 3	. ыдпі, Агеа Ајјестеа	. 470				
		al Cracks					
	Explanation : Fine Vertic	cai Cracks					

Bridge Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
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

Other Observation, Extent: Light, Area Affected: 2%

Location: Telephone

Explanation: Telephone In Control Room Needs To Be Punched Down.

Control System Electrical

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

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

Bridge Electrical	Current	Repair	Future	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year 1 FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical							
Control Console							
Stainless Steel	100% Now	\$700	LIFE	* *			
	Other Observation, I	_	Affected:	2%			
	Location : Indication	_					
	Explanation: The	Indication Lights N	eed Replac	cement/relamping			
Disconnect Switch	400-		• • • • •				
Generic	100%		2040	* *			
Limit Switch							
Generic	100%		2040	* *			
Electrical Power							
Transfer Switch	100-	***	• • • • •				
Auto	100% 4+	\$1,800	2040	**			
	Other Observation, I		Area Affect	ted : 25%			
	Location : Circuit I						
	Explanation : Circi	uit Breaker Transfe	r Switch M	laking Noise Whe	n Turned	! Off	
Transformer							
Dry	100%		2040	* *			
Heating							
Generic	100%		2040	* *			
Dist Equip & Motor Contro							
Generic	100%		2040	* *			
Raceway							
Submarine Control Cables							
Generic	100%		2024				
Wiring							
Generic	100%		2025				
Stand-by Power							
Generator							
Natural Gas	100% Now	\$34,700	2033	* *			
	Other Observation, I	Extent : Moderate, A	Area Affect	ted : 100%			
	Location:						
	Explanation : Gene	rator Is Inoperable	?				
Traffic System Electrical							
Traffic Signal							
Generic	100%		2019	\$169,600			
Lighting							
Lighting Devices							
Generic	100% Now	\$1,900	2025	\$95,200			
	Other Observation, I						
	Location : Navigati	ion Lighting					
	Explanation : Seve		ghts Need	Relamping.			

Bridge Mechanical	Current Rep	oair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Es Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Bascule

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

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

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

Asset #: 13712

idge Mechanical	Current Repair	Future Replacement	Maintenance	
tem Component Type	% of Fail Date Estimated Cos Total (Years)	st Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
cule				
Counter Weight				
Generic	100%	2055 **		
Emergency Drive	1000/ N	0 2025 **		
Emergency Power	100% Now \$35,100 Other Observation, Extent: Moderate	0 2033		
	Location: Control House And Maci			
	Explanation: Emergency Operation		n Should Be Tested Every	
	Month.	r committee De Testem System	. Snowa Be Testeu Brei y	
Houses				
Access Ways	100% Now \$35,100			
	Other Observation, Extent : Moderate	e, Area Affected : 10%		
	Location : Access Ways			
	Explanation : Some Doors/hatches	<u> </u>		
Control House	100% Now \$102,100			
	Other Observation, Extent: Moderate	e, Area Affected : 20%		
	Location: Control House			
Marthia and Danier	Explanation: Roof Is Leaking. Hou			
Machinery Room	100%	2055 **		
Lock Bars With Motor	50% Now \$25,100	0 2029 **		
Willi Motol	Other Observation, Extent : Light, Ar			
	Location : Toe Locks	curijjecicu i 10070		
	Explanation : Some Corrosion. Loc	k Bar Protective Cover Needs	s To Be Repaired.	
With Motor	50% Now \$125,500		<u> </u>	
	Other Observation, Extent : Moderate			
	Location : Tail Locks	••		
	Explanation: Tail Locks Not Funct	ional. Also, South Tail Lock	Missing Drive Motor.	
Main Drive System				
Generic	100% Now \$121,500			
	Other Observation, Extent : Moderate	e, Area Affected : 10%		
	Location: Machinery Room	T D 4 II G 1 1	W. 1 T. 1 T. 1 T. 1	
	Explanation: Limit Switches Need To For Firm Seating Of Bridge.	To Be Adjusted In Conjunction	n With Live Load Bearings	
Rack	1011 tim Seating Of Briage.			
Generic	100%	2055 **		
Structural Bearings				
Generic	50% Now \$7,600	0 2033 **		
	Other Observation, Extent : Moderate			
	Location: Live Load Bearings At To			
	Explanation: Gap Present At South		rt Bearings And	
	Substantial Movement Under Traffic			
Generic	50%	2033 **		
	Other Observation, Extent : Light, Ar Location : Live Load Supports At To			
	Locanon . Live Loaa Subborts At 10	ши		
Track	Explanation : Not Accessible			

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

^{**} 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

Bridge Mechanical	Current Repai	r F	uture Repla	cement	Ma	aintenance	
System Component Type	% of Fail Date Esti Total (Years)		ear Estima Y	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Bascule							
Traffic Devices							
Barrier Gate	100% Now	\$75,800 20)29	* *			
•	Other Observation, Extent	: Severe, Area Aff	fected : 100%	6			
	Location: Barrier Gates						
	Explanation: The Barrier Gates Are Currently Not In Service.						
Warning Gate	100%	20)23	\$247,600			

^{**} 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 HUTCHNS RIV PKY/HUTCHINSON RIVER

Address : BARTOW AVE X-ING HUTCH RIVER

Borough : BRONX Agency's Number : N/A

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
Total	\$2,447,300	\$3,317,200
Importance Code A	\$1,065,100	\$598,100
Importance Code B	\$1,236,400	\$2,573,300
Importance Code C	\$145,800	\$145,800
Total	\$2,447,300	\$3,317,200

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			
Total	\$442,200	\$5,600	\$138,400	
Importance Code A	\$213,200		\$51,200	
Importance Code B	\$222,900		\$63,200	
Importance Code C	\$6,100	\$5,600	\$24,000	
Total	\$442,200	\$5,600	\$138,400	



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 4269

Bridge Structure		Current F	Repair	Futur	e Replacement	Ma	aintenance	
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	_	_	_	<u> </u>	_	_	_	_
Generic	100%			LIFE	* *			
Mat (scour & erosion) Earth			\$3,900 ht, Area Affected : tment Drainage	LIFE 10%	* *			
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	Location		\$500 Extent : Light, Area Areas Of Wingwal rescence		**: 2%			
Brick Veneer	90%			LIFE	* *			
Feature Crossed Bank Protection								
Riprap	100%			LIFE	* *			
Mat (scour & erosion) Not Accessible	100%							
Pier Protection	100/0						_	
Concrete			Extent : Light, Area	LIFE Affected	* *			
		: Piers 4 & ion : Gran	& 5. ite Block Facade					
Timber	Location	: Piers 2 &		LIFE Affected	**			
Approaches	Explanat	ion : Piers	2 & 3.					

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.

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

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

Asset #: 4269

Current	Current Repair		Future Replacement		Maintenance	
% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
			* *	4		
			* *	4	\$9,700	
		d : 10%				
100%		2039	* *	4	\$36,500	
100%		LIFE	* *			
100%		LIFE	* *			
90%		LIFE	* *	2-8	\$8,700	
10% Now	\$300	LIFE	* *	2-8	\$5,500	
Broken/Missing Eler	nents, Extent : Mod	erate, Are	a Affected : 10%			
Location : West Si	de - South (begin) A	pproach.				
100%		LIFE	* *			
100%						
100%		2030	* *	4	\$2,400	
100%		LIFE	* *		. ,	
Other Observation, I	Extent : Light, Area	Affected :	1%			
=		Only				
100%		LIFE	* *	2-8	\$61.300	
					,, 0	
100%		LIFE	* *			
100%		LIFE	* *			
			* *			
Other Observation, I			1%			
		LIFE	* *	2-8	\$151 100	
Other Observation,	_			2-0	φ131,100	
		In Concre	ete.			
Emplanation . Steel	. Commis Direased					
100%		LIFE	* *			
	Extent : Light Area		: 1%			
S Observation, I		_{JJ} - C · C · C · .	- / -			
Location : Piers 2	& 3.					
	80% 20% 4+ Cracks, Extent: Mod Location: South A 100% 100%	80% 20% 4+ \$5,700 Cracks, Extent: Moderate, Area Affecte Location: South Approach 100% Other Observation, Extent: Light, Area Location: Sidewalk On West Side of the Company of the Compa	Note Fail Date Estimated Cost FY	Some	Not Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs)	Not Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs)

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

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

Asset #: 4269

Bridge Structure		Current Repair		Future Replacement		Maintenance			
System Component Type		Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Piers									
Brngs, Ancr Blts, Pads	1000/			2052	* *				
Elastomeric	100% 100%	4.	¢56 700	2052 LIFE	* *		\$9.200		
Steel		4+ Extent : M	\$56,700 Ioderate, Area Affe			2-8	\$8,200		
	Location :			ciea . 57	,				
Footings	Bocanon .	1 10/5 2 0							
Not Accessible	100%								
Mat (scour & erosion)									
Not Accessible	100%								
Pedestals									
Concrete	100%			LIFE	* *				
Piles									
Not Accessible	100%								
Deck Elements									
Curbs	1000/			T HOP	* *				
Concrete w/ Steel Face	100%			LIFE	4. 4.				
Guide Railing Steel	100%			LIFE	* *				
Median	100%			LIFE					
Concrete	100%			LIFE	* *	5	\$20,200		
Railings/Parapets	10070						Ψ20,200		
Steel	100%			LIFE	* *	2-8	\$106,900		
Sidewalks	10070			<u> </u>			Ψ100,>00		
Concrete	100%			2034	* *	5	\$11,400		
Wearing Surface							•		
Concrete	100%			2039	* *	5	\$291,700		
			xtent : Light, Area	Affected	: 1%				
	Location:	-							
		on : Conc	rete Wearing Surfa						
Steel Grating	100%			LIFE	* *	5			
			xtent : Light, Area	Affected	: 1%				
	Location:	-							
	Explanatio	on : Bascı	ıle Span Steel Grai	ting.					
Superstructure Deck,Structural									
Concrete	100%			LIFE	* *	5	\$106,500		
Concrete		rvation. E	xtent : Light, Area		. 1%	3	Ψ100,500		
	Location :			119900000	. 170				
	Explanatio	-							
Grating w/ Concrete	100%			LIFE	* *				
cruming we construct		rvation, E	xtent : Light, Area		: 1%				
	Location :								
		-	The Spans Have G	rating Wi	th Concrete.				
Steel Grating	100%			LIFE	* *	5	\$116,300		
		rvation, E	xtent : Light, Area	Affected	: 1%				
	Location:								
	Explanatio	on : Steel	Grating Deck.						

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

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

Asset #: 4269

Bridge Structure		Current Repair		Futur	e Replacement	М			
System Component Type		'ail 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		
	Other Obser	rvation, Ex	tent : Light, Area	Affected	: 1%				
	Location: Spans 1, 2 & 4 - 7.								
	Explanatio	on : Structi	ıral Steel						
Secondary Member									
Steel	100%			LIFE	* *	2-8	\$1,643,500		
	Other Obser	rvation, Ex	tent : Light, Area	Affected	: 1%				
	Location:	Spans 1. 2	2 & 4 - 7.						
	Explanatio	on : Structi	ıral Steel						
Movable Bridges									
Bascule Span									
Steel	90%			LIFE	* *				
Steel	10%	Now	\$368,000	LIFE	* *				
	Other Observation, Extent : Severe, Area Affected : 10% Location : Span 3								
	Explanatio Maybe Rep		On Bien. Insp. Fl	ags, Hole	es In Stringer And	Purlins.	Not Accessible		
Bascule Span Pier									
Concrete	95%			LIFE	* *				
Concrete	5%	4+	\$42,300	LIFE	* *				
	Other Observation, Extent : Moderate, Area Affected : 2%								
	Location:	North Lea	ıf At Pier 3						
	Explanatio	on : Crack	ing Of Concrete A	t Trunni	on Bearing Pedest	al.			

Bridge Electrical		Current l	Repair	Futur	e Replacement	М	aintenance	
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			
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	ected : 50%			
	Location	: Northwe	st Pier Below Mac	hine Roo	om			
	Explana	ion : Nw A	nd Sw Fully Seated	d Limit S	witches Stick.			

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

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

Asset #: 4269

Bridge Electrical	Current Repair		Futur	e Replacement	Maintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Electrical Power								
Transfer Switch	1000/	#10.000	2021	de de				
Auto	100% 2-4	\$10,900	2031	**				
	Other Observation, Location: Transfe		Area А <u></u> ∏е	стеа : 100%				
		r Swuch v One Power Source	Anailabl	a Transfor Switch	Cannot	Pa Usad Paggusa		
		One Fower Source Of Power Is Availab		e. Transjer Swuch	Cannoi	De Osea Decause		
Transformer	<u> </u>							
Dry	100%		2031	* *				
Heating								
Generic	100%		2031	* *				
Dist Equip & Motor Contro								
Generic	100%		2031	* *				
Navigation Lighting								
Pier Lighting	1000/		2024					
Incandescent	100% Other Observation,	Extant : Light Anga	2024	. 200/				
	Location: North A	· ·	Ајјестеа	. 20%				
		th And South Pier E	ach Have	o I Pier Light Out				
Span Lighting	Explanation : Non	n ma soun i iei L	ach Have	11 ter Light Out.				
Incandescent	100%		2021					
Raceway								
Conduit								
Metal	90% 4+	\$51,800	2066	* *				
	Other Observation,	Extent : Moderate, A	Area Affe	cted : 30%				
	Location : Below I							
	Explanation: Con	duits Corroding						
Metal	10%		2041	* *				
Submarine Control Cables								
Generic	100%		2024	\$817,100				
Submarine Power Cable	1000/		2024					
Power	100%		2024					
Wiring	1000/		2027	* *				
Generic	100%		2027	* *				
Fraffic System Electrical Barrier Gate Lighting								
Incandescent	100%		2021	\$14,500				
Traffic Gate Lighting	10070		2021	\$14,500				
Incandescent	100%		2021	\$14,500				
Traffic Gong	100,0		2021	Ψ11,500				
Not Accessible	100%							
Lighting	*							
Lighting Devices								
Generic	100%		2024	\$103,300				

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

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

Asset #: 4269

idge Mechanical	Current Repair	Future Replacement	Maintenance	Maintenance		
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priorit		
cule						
Counter Weight						
Not Accessible	100%					
Emergency Drive	1000/ 17	2011				
Emergency Power	100% Now \$4,800	2041 **				
	Other Observation, Extent: Moderate,	Area Affectea : 50%				
	Location : All Machine Rooms	I. Emanage Duina Waa Da	nouted Not To Have Door			
	Explanation : No Operation Observed Run In A Long Time, Should Be Teste		ропеа пот 10 паче вееп			
Houses	Time In 12 and 1 a					
Access Ways	100% Now \$11,800	2029 **				
•	Other Observation, Extent: Severe, Art	ea Affected : 50%				
	Location: Access Ways (only North A	Accessible)				
	Explanation : Some Doors Do Not Cl	ose Properly. Open Pier Ar	ea Behind Inboard			
	Trunnions.					
Auxiliary	100% Now \$13,800	2029 * *				
	Other Observation, Extent : Light, Area					
	Location: South Auxiliary House, No.	t Accessible				
	Explanation : Leaky Door Reported					
Control House	100% Now \$51,100	2041 **				
	Other Observation, Extent: Moderate,	Area Affected : 10%				
	Location: Control House					
	Explanation: Leaky Door. Exhaust F		om Locked And Not			
	Functioning. Heat & Ac In Top Of Co					
Machinery Room	100% Now \$8,600	2041 **				
	Other Observation, Extent: Light, Area					
	Location: Machine Rooms (only Nor		N C D 1			
I 1 . D	Explanation: Water Observed In Son	ne Kooms. Some Doors Do I	Not Close Properly.			
Lock Bars With Motor	100% Now \$216,300	2029 **				
WITH MOTOL	Other Observation, Extent: Severe, Ar.	2029				
	Location: Lock Bars (only Observed		Not Accessible)			
	Explanation : No Operation Observed	-				
	Require Adjustments. One Lock Not V		rrea i rem staeman, may			
Main Drive System		<u> </u>				
Generic	100% 4+ \$98,100	2041 **				
	Other Observation, Extent: Moderate,	Area Affected : 60%				
	Location: North Machine Rooms (so		· ·			
	Explanation: Operation Not Observe		ınt Leakage & Possible			
D1	Contamination. Brake Adjustments M	ay Be Required.				
Rack Generic	60% 0-2 \$62,000	2041 **				
Generic	Other Observation, Extent: Moderate,	2041				
	Location: Racks	men myellen. 00/0				
	Explanation: No Operation Observed	l Only North Racks Access	ible Corrosion Of Some			
	Surfaces And Bolts.	omy morm nacks accessi	sic. Corrosion of some			
Generic	40%	2041 **				
Structural Bearings						
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 HUTCHINSON RIVER PARKWAY BRIDGE HUTCHNS RIV PKY/HUTCHINSON RIVER

Asset #: 4269

Bridge Mechanical	Current Repair	Future Replacement	Maintenance						
ystem Component Type	% of Fail Date Estimated Co Total (Years)	St Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority					
ascule									
Traffic Devices									
Barrier Gate	100% Now \$64,20	0 2022 \$641,700							
	Other Observation, Extent : Severe, Area Affected : 25%								
	Location: Barrier Gates								
	Explanation: No Operation Observ	ed. Only Observed From Side	walk. Broken Or Missing						
	Light Covers, Handles And Locks.	Open Areas.							
Signals	100% Now \$2,80	0 2029 **							
_	Broken/Missing Elements, Extent : Light, Area Affected : 10%								
	Location: South Traffic Signal Mis	sing Visor.							
Warning Gate	100% Now \$28,50	0 2022 \$285,400							
8	Other Observation, Extent : Severe, Area Affected : 25%								
	Location: Warning Gates	33							
	Explanation: No Operation Observed. Only Observed From Sidewalk. Some Broken Or								
	Missing Guy Wires, Light Covers, I	•							
Trunnion									
Generic	100% Now \$62,60	0 2041 **							
	Other Observation, Extent : Light, Area Affected : 60%								
	Location: Trunnion Bearings								
	Explanation: No Operation Observ Corrosion. Some Catch Toughs Fil		cessible. Some Debris And						

^{**} 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 : MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER

Address : E.155 ST. & HARLEM RIVER

Borough : MANHATTAN:BX. Agency's Number : N/A

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$3,640,200	\$6,381,500
Total	\$3,640,200	\$6,381,500
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
Total	\$3,640,200	\$6,381,500

Total	\$163,800	\$7,500	\$711,500	\$7,500
Importance Code C	\$16,600			
Importance Code B	\$147,200	\$7,500	\$407,800	\$7,500
Importance Code A			\$303,800	
Total	\$163,800	\$7,500	\$711,500	\$7,500
Bridge Mechanical	\$130,000		\$80,800	
Bridge Electrical	\$17,200	\$7,500	\$7,500	\$7,500
Bridge Structure	\$16,600		\$623,200	
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020



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

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

Asset #: 4180

Bridge Structure		Current	Repair	Future Replacement Maintenance				
System	0/ 0				-			D
Component		Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Туре	Total	(Years)		FY		(Yrs)		
Abutments								
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	* *			
	_	_	eal, Extent : Modero					
	Location	: Begin Al	butment Joint Seale	r Damag	ed			
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
Pedestals								
Concrete	100%			LIFE	* *			
Stem (breastwall)								
Masonry: Granite	100%			LIFE	* *			
Walls								
Not Accessible	100%							
Wingwalls								
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	* *			
	Broken/Mi	issing Elen	ients, Extent : Ligh	t, Area Ą	ffected : 2%			
	Location	: Begin R	ight Wingwall Has	Voids Ar	nd Displacement 4	inches.		
Feature Crossed								
Bank Protection								
Concrete	100%			LIFE	* *			
Riprap	100%			LIFE	* *			
Mat (scour & erosion)		·						_
Not Accessible	100%							
Pier Protection								
Concrete	100%	4+	\$131,400	LIFE	* *			
			Extent : Light, Area	Affected	: 2%			
	Location	: Pier 36						
	Explana	tion : Conc	rete With Timber E	Bumpers.				
Approaches								
Pavement								
Concrete	100%			2037	* *	4		
·	-				-			

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

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

Asset #: 4180

Bridge Structure	Current Re	epair	Future Replacement Maintenance			aintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
approaches								
Curbs								
Steel	100%		LIFE	* *				
Guide Railing								
Steel	100%		LIFE	* *	2-8	\$18,100		
Pavement Base	1000/							
Not Accessible	100%							
Sidewalks	1000/		LIDE	* *				
Concrete	100%		LIFE	4. 4.				
iers Cap Beam								
Steel	100% 4+	\$571,400	LIFE	* *	2-8	\$1,633,900		
Steel	Corrosion, Extent : Mo			ń	2 0	ψ1,033,700		
	Location : Piers 4, 1							
Pier,Columns	·							
Steel	100% 4+	\$1,061,600	LIFE	* *	2-8	\$2,821,200		
	Cracks, Extent : Mode					+-,=-,		
	Location : Pier 31 R	ight Side Column	Knee Bro	ıce.				
	Corrosion, Extent : Me	oderate, Area Affe	cted : 2%	ó				
	Location: Pier 17							
Stem,Solid Pier								
Concrete	100% 4+	\$456,500	LIFE	* *				
	Spalling, Extent : Mod	erate, Area Affect	ted : 20%					
	Location: Pier 51							
Masonry	100%		LIFE	* *				
Brngs,Ancr Blts,Pads								
Steel	25% Now	\$369,000	LIFE	* *	2-8	\$49,000		
	Joint Freezing, Extent	: Severe, Area Af	fected : 2.	5%				
	Location: Piers 2, 6	10, 18, 22, 25, 2	7, 29, & 3	31 Exp. Bridges F	rozen.			
Steel	70%		LIFE	* *	2-8	\$49,000		
Steel	5% Now	\$36,900	LIFE	* *	2-8	\$49,000		
	Other Observation, Ex	tent : Severe, Are	a Affected	d : 50%				
	Location: Pier 14							
	Explanation: Loose	Exp. Brg. Plates I	At 5 Brgs.					
Footings								
Not Accessible	100%							
Mat (scour & erosion)	4							
Generic	100%		LIFE	* *				
Pedestals	4000: -							
Steel	100% 2-4	\$56,400	LIFE	* *				
	Corrosion, Extent : Se							
1 E1	Location : Pier 4, 10	, 12, 1/, 25 & 29.						
Deck Elements								
Curbs	100%		LIFE	* *				
Steel Cuida Pailina	100%		LIFE	-4. 4				
Guide Railing Concrete	100%		2042	* *				
	100%		2042 LIFE	* *				
Steel	100%		LIFE					

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

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

Asset #: 4180

% of Total	Fail Date	F 1.0 .					
Total	(Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
100%			2052	* *	5		
100%			LIFE	* *	2-8	\$136,600	
100%			2032	* *	5	\$107,100	
100%			2037	* *	5		
100%			LIFE	* *	5	\$122,600	
100%			LIFE	* *			
100%			LIFE	* *			
95%			LIFE	* *	2-8	\$2,059,400	
5%	4+	\$767,200	LIFE	* *	2-8	\$2,059,400	
Corrosion	, Extent : N	loderate, Area Affe	cted: 5%	%			
Location	: Span 40	Bottom Chord Eye	bars.				
		<u> </u>					
90%			LIFE	* *	2-8	\$1,725,200	
	4+	\$84,700		* *	2-8		
	, Extent : S	' /				, ,, ,, ,,	
				ame Diaphragms.			
	<u> </u>			. 3			
100%			LIFE	* *			
100%			LIFE	* *			
	100% 100% 100% 95% 5% Corrosion Location 90% 10% Corrosion	100% 100% 100% 100% 100% 100% 100% 95% 5% 4+ Corrosion, Extent: M. Location: Span 40 90% 10% 4+ Corrosion, Extent: S. Location: Spans 23	100% 100% 100% 100% 100% 100% 100% 95% 5% 4+ \$767,200 Corrosion, Extent: Moderate, Area Affe Location: Span 40 Bottom Chord Eye 90% 10% 4+ \$84,700 Corrosion, Extent: Severe, Area Affecte Location: Spans 23, 26, 30, 37, & 40	100% LIFE 100% 2032 100% LIFE 100% LIFE 100% LIFE 95% LIFE 5% 4+ \$767,200 LIFE Corrosion, Extent: Moderate, Area Affected: 5% Location: Span 40 Bottom Chord Eyebars. 90% LIFE 10% 4+ \$84,700 LIFE Corrosion, Extent: Severe, Area Affected: 10% Location: Spans 23, 26, 30, 37, & 40 Cross Fr 100% LIFE	100% LIFE ** 100% 2032 ** 100% LIFE ** 100% LIFE ** 100% LIFE ** 95% LIFE ** Corrosion, Extent: Moderate, Area Affected: 5% ** Location: Span 40 Bottom Chord Eyebars. ** 90% LIFE ** 10% 4+ \$84,700 LIFE ** Corrosion, Extent: Severe, Area Affected: 10% Location: Spans 23, 26, 30, 37, & 40 Cross Frame Diaphragms. 100% LIFE **	100% LIFE ** 2-8 100% 2032 ** 5 100% 2037 ** 5 100% LIFE ** 5 100% LIFE ** 2-8 100% LIFE ** 2-8 5% 4+ \$767,200 LIFE ** 2-8 Corrosion, Extent: Moderate, Area Affected: 5% Location: Span 40 Bottom Chord Eyebars. 90% LIFE ** 2-8 10% 4+ \$84,700 LIFE ** 2-8 Corrosion, Extent: Severe, Area Affected: 10% Location: Spans 23, 26, 30, 37, & 40 Cross Frame Diaphragms. ** 2-8 100% LIFE ** ** **	100% LIFE ** 2-8 \$136,600 100% 2032 ** 5 \$107,100 100% 2037 ** 5 \$122,600 100% LIFE ** 5 \$122,600 100% LIFE ** 2.8 \$2,059,400 5% LIFE ** 2-8 \$2,059,400 Corrosion, Extent: Moderate, Area Affected: 5% ** 2-8 \$2,059,400 Corrosion: Span 40 Bottom Chord Eyebars. ** 2-8 \$1,725,200 10% 4+ \$84,700 LIFE ** 2-8 \$1,725,200 Corrosion, Extent: Severe, Area Affected: 10% Location: Spans 23, 26, 30, 37, & 40 Cross Frame Diaphragms. \$1,725,200 100% LIFE ** 2-8 \$1,725,200

Bridge Electrical		Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of 1 Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	100%			2022	\$15,800			
Telephone								
Wall Mounted	100%			2022				
Jack								
Telephone	100%			2022				
Control System Electrical								
Computer								
PLC	100%	Now	\$8,100	2021	\$27,100			
	Other Obse	rvation, E	xtent : Severe, Are	a Affecte	ed: 100%			
	Location	: Plc Cabi	net					
	Explanati Main Syst		rogram Is Not Pres	ent In E	ither Processor, B	ridge Is l	Not Operable On	

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

Estimates are rounded to the nearest hundred dollars.

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

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

Asset #: 4180

Bridge Electrical		Current R	epair	Futur	e Replacement	Ma	aintenance	
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	400				de de			
Relay	100%			2042	* *			
Disconnect Switch	1000/			20.42	de de		427 000	
Non Fused	100%			2042	* *	1	\$35,900	
Limit Switch	1000/			2022				
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	* *			
			ctent : Severe, Arec	a Affecte	d: 100%			
		: Machine		D 11	1.7			
		non : Soume	east Endlift Starter		**			
Generic	90%			2042	* *			
PanelBoard	1000/			20.42	de de		φ. 	
Circuit Breaker	100%			2042	* *	1	\$6,700	
Transfer Switch	400							
Auto	100%			2042	* *			
Exterior Lighting								
Lighting Contactor	1.000/			20.42	de de		Φ π <00	
Generic	100%			2042	* *	1	\$5,600	
Lighting Fixture	400							
Generic	100%			2022				
Spot Lighting								
Generic	100%			2022				
Ground/Lightning Protection								
Ground Bus	1000/			2025	de de			
Copper	100%			2027	* *			
Ground Rod	400							
Copper	100%			2022				
Ground Wire	400			2027				
Green	100%			2027	* *			
Interior Lighting								
Exit Lighting								
Battery Operated	100%			2027	* *			
Lighting Fixture					_			
Fluorescent	100%			2027	* *	1	\$5,600	

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

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

Asset #: 4180

Bridge Electrical		Current F	Repair	Futur	e Replacement	Replacement Maintenance		
System Component Type		Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	1000/			2022	* *	1	#2.000	
Pull Junction	100%			2032 2032	**	1	\$3,900	
Terminal Collector Pina	100%			2032		1	\$4,500	
Collector Ring Metal	100%			2032	* *			
Conduit	10070			2032				
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	* *			
	Other Obse Location :		Extent : Light, Arec ck	a Affected	: 100%			
	Explanation	on : Span	Lock Description	Used For	Endlifts Motors			
Stand-by Power								
Transfer Switch	1.000/			2042	* *			
Auto	100%			2042	7. 7.			
Fraffic System Electrical Barrier Gate Lighting								
Not Accessible	100%							
Traffic Gate Lighting	10070							
Not Accessible	100%							
Traffic Gong								
Not Accessible	100%							
Traffic Sign Fixed	100%			2022				
Traffic Signal Not Accessible	100%							

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

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 4180

idge Mechanical	Current Repair	Futur	re Replacement						
tem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit			
ng		•							
Center Latch									
Generic	100%	2057	* *	2	\$22,500				
	Other Observation, Extent: Light, Area Location: East & West Explanation: Could Not Be Tested Di								
Center Pivot									
Generic	100% Other Observation, Extent : Light, Area Location : Center Pivot Pier	2057 Affected	**!	2	\$67,400				
	Explanation : (Rim Bearing) Minor C Problem.	Corrosion	. Could Not Be Tes	ted Due	To Electrical				
Emergency Drive									
Emergency Power	Location: Swing Span Machinery Roc	Other Observation, Extent : Light, Area Affected : 5% Location : Swing Span Machinery Room Explanation : Operation Was Not Observed. Emergency Drive Reported To Have Last Been							
End Lift									
Generic	100% Now \$21,500 Other Observation, Extent: Light, Area Location: East & West Rest Piers	2057 Affected	**	2	\$35,900				
	Explanation : Corrosion, Southeast Re Due To Electrical Problem. Install Co	-	To Not Be Operatio	nal. Cou	ld Not Be Tested				
Fuel Tanks Generic	100%	2039	* *						
Houses	100/0	2037							
Access Ways	100% Now \$9,400 Other Observation, Extent: Light, Area Location: Swing Span Access Hatche Explanation: Hatch Locks Need Main	S	** !:1%						
Control House	100% Now \$5,100	2057	* *						
	Other Observation, Extent : Light, Area Location : Control House Explanation : Broken Door Lock	ı Affected	l : 1%						
Machinery Room	100%	2057	* *						
Main Drive System	20070								
Generic	100% 0-2 \$28,800 Other Observation, Extent: Light, Area Location: Operating Machinery	2057 Affected	* * ! : 2%	2	\$179,600				
	Explanation: Corrosion, Grease On I Be Changed Soon. Could Not Be Teste		rface Of Brakewhe	el, Breat	hers Will Need To				
Structural Bearings									
Generic	100% Other Observation, Extent : Light, Area Location : East & West Rest Pier	2035 Affected	* * !: 2%						
	Explanation: Minor Corrosion & Del	bris. Thre	ee Open Bolt Holes	s At Back	: Of Each Base.				

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

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

DEPARTMENT OF TRANSPORTATION - 841 MACOMBS DAM BRIDGE E.155 ST./HARLEM RIVER

Asset #: 4180

Bridge Mechanical	Current Rep	air F	iture Replacement	Maintenance					
System Component Type	% of Fail Date Es Total (Years)	stimated Cost Ye		Cycle Estimated Cost (Yrs)	Priority				
Swing									
Traffic Devices									
Barrier Gate	100% Now	\$21,800 20	35 **						
	Other Observation, Exten	nt : Light, Area Affe	rted : 5%						
	Location : East & West	Approaches							
	Explanation : Missing I Due To Elec Problem.			ing. Could Not Be Tested					
Warning Gate	50% Now	\$13,500 20	35 **						
_	Other Observation, Exter	Other Observation, Extent: Light, Area Affected: 5%							
	Location : Pedestrian (Gates							
	Explanation : Sw Pedes Arms Not Installed. Co		king, Stuck In Closed	Position. Pedestrian Gate					
Warning Gate	50% 0-2	\$2,700 20	35 **						
2	Other Observation, Extent : Light, Area Affected : 5%								
	Location : Warning Ga	ites							
	Explanation : Could No	ot Be Tested Due To	Electrical Problem.	Check Guy Wires Tension.					

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

Area Sq Ft : 69,800 Project Type : WATERWAY BRIDGES

Date of Survey : 29-May-2014 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240079

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$226,600	\$896,500
Bridge Electrical		\$233,000
Bridge Mechanical	\$558,300	
Total	\$784,800	\$1,129,500
Importance Code A		\$350,300
Importance Code B	\$558,300	\$552,600
Importance Code C	\$226,600	\$226,600
Total	\$784,800	\$1,129,500

Total	\$96,700	\$32,000	\$143,700	\$18,400
Importance Code C	\$6,400	\$28,100		
Importance Code B	\$89,100	\$3,900	\$107,800	\$18,400
Importance Code A	\$1,100		\$35,900	
Total	\$96,700	\$32,000	\$143,700	\$18,400
Bridge Mechanical	\$52,300		\$71,800	
Bridge Electrical	\$25,100	\$3,900	\$3,900	\$18,400
Bridge Structure	\$19,300	\$28,100	\$68,000	
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020



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

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

Asset #: 4209

Bridge Structure	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (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	* *			
	Leakage, Extent : Li		20%				
	Location: Begin A						
	Missing/Damaged Se		Area Afj	fected : 15%			
	Location: Begin A	butment Joint					
Pedestals							
Concrete	100%		LIFE	* *			
Stem (breastwall)							
Concrete	100%		LIFE	* *			
Walls							
Concrete	100%		LIFE	* *			
Wingwalls							
Footings	1000/						
Not Accessible	100%						
Piles	1000/						
Not Accessible	100%						
Walls	1000/		LIEE	* *			
Concrete	100%	T T . 1 . A	LIFE				
	Other Observation, I		Ађестеа	: 100%			
	Location: Wingwa		l. E. I	A N -	117:	1	
Feature Crossed	Explanation : Begi	nning Wingwall On	iy. Ena 1	Approacn Has No	wingwai	ļ	
Bank Protection							
Concrete	100%		LIFE	* *			
Riprap	100%		LIFE	* *			
Timber	100%		2030	* *			
Mat (scour & erosion)	10070		2030				
Not Accessible	100%						
Pier Protection	10070						
Timber	100%		LIFE	* *			
Approaches	100/0		LIIL				
Pavement							
Asphalt	100%		2029	* *	4	\$8,100	
Concrete	100%		2038	* *	4	ψ0,100	
Curbs	100/0		2030		т		
Concrete	100%		LIFE	* *			
Concrete	100/0		ти г	·			

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

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

Asset #: 4209

Bridge Structure	Curre	nt Repair	Future	Replacement	Maintenance		
System Component Type	% of Fail Da Total (Year	ate Estimated Cost (s)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Guide Railing							
Steel	100% Now	' '	LIFE	* *	2-8	\$11,700	
		, Extent : Moderate, A		ed : 5%			
	Location : End I	Approach Left (north)	Side.				
Sidewalks	1000/		T TEE	ale ale			
Concrete	100%		LIFE	* *			
Piers							
Cap Beam	1000/		LIEE	* *	2.0	Φ252 200	
Steel	100%		LIFE	* *	2-8	\$252,300	
Pier, Columns	1000/			de de	• •	#201 ***	
Steel	100%		LIFE	* *	2-8	\$301,600	
Stem,Solid Pier	4025						
Concrete	100%		LIFE	* *			
Masonry	99%		LIFE	* *			
Masonry	1% 2-4	\$100	LIFE	* *			
		n, Extent : Moderate, A	Area Affec	eted : 1%			
	Location : Pier						
	Explanation : M	lasonry Stone Displac	ed.				
Brngs,Ancr Blts,Pads							
Elastomeric	100%		2051	* *			
Steel	100%		LIFE	* *	2-8	\$6,200	
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Not Accessible	100%						
Pedestals							
Concrete	100% 0-2	\$10,700	LIFE	* *			
	Spalling, Extent:	Moderate, Area Affec	ted : 2%				
	Location : Piers	12 & 14.					
Deck Elements							
Gratings							
Steel	100%		LIFE	* *			
		n, Extent : Light, Area	Affected :	1%			
	Location : Span	s 13 & 14					
	Explanation : S _I	pans 13 & 14					
Guide Railing							
Concrete	100%		2045	* *			
		n, Extent : Light, Area	Affected :	1%			
	Location : Span	s 1 - 12 & 15 - 21.					
	Explanation: C	oncrete Guide Railing	s Both Sia	les.			
Steel	100%		LIFE	* *			
		n, Extent : Light, Area		1%			
	Location : Span	-	==				
	Explanation : St						

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

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

Asset #: 4209

Bridge Structure	Current Repair	Future Replace	ment	M		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimate FY	d Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Median Concrete	100% Other Observation, Extent : Light, Area Location : Spans 8 - 12 & 15 - 21.	LIFE Affected: 1%	* *	5	\$5,600	
	Explanation: Concrete Median.					
Steel	100% Other Observation, Extent: Light, Area Location: Spans 13 & 14 Explanation: Swing Spans	LIFE Affected : 1%	* *	4-8	\$27,500	
Railings/Parapets						
Steel	78% Other Observation, Extent : Light, Area Location : Spans 8 - 21		* *	2-8	\$40,300	
	Explanation: Pipe Railing And Chain	-link Fence On Boti				
Steel	22% Other Observation, Extent : Severe, Are Location : Spans 1 - 7.		* *	2-8	\$40,300	
	Explanation : Pipe Railing & Chain-li	ink Fence On One S	ide Onl	y.		
Sidewalks	700/	2022	* *	-	¢20 100	
Concrete	78% Other Observation, Extent: Light, Area Location: Spans 8 - 21 Explanation: Concrete Sidewalk On 1		* *	5	\$28,100	
Concrete	22%	2033	* *	5	\$28,100	
Concrete	Other Observation, Extent : Light, Area Location : Spans 1 - 7.	Affected: 1%		3	Ψ20,100	
	Explanation : Concrete Sidewalk On C		* *			
Grating w/ Concrete	100% Other Observation, Extent: Light, Area Location: Spans 13 &14. Explanation: Swing Span	2051 Affected : 1%	* *			
Wearing Surface						
Asphalt	100% Other Observation, Extent : Light, Area Location : Spans 1 - 12 (both Sides) & Explanation : Asphalt Wearing Surfac	2 15 - 21(left Side).	* *	5	\$84,700	
Concrete	100% Other Observation, Extent: Light, Area Location: Spans 15 - 21 (Right Side of Explanation: Concrete Wearing Surfa	Only).	* *	5	\$368,400	
Superstructure						
Deck,Structural Concrete Grating w/ Concrete	100% 100%	LIFE LIFE	* *	5	\$23,900	
	Other Observation, Extent: Light, Area Location: Spans 13 & 14. Explanation: Swing Span.	Affected : 1%				

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

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

Asset #: 4209

Bridge Structure	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date Est (Years)	imated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Steel	100%			LIFE	* *			
	Other Observation, Extent : Light, Area Affected : 1%							
	Location	: Piers 12 & 1	4.					
	Explanati	ion : Steel Join	t.					
Generic	80%			LIFE	* *			
Generic	20%	0-2	\$3,700	LIFE	* *			
	Leakage, Extent : Moderate, Area Affected : 20%							
	Location	: Piers 3, 9, 11	& 18.					
Primary Member								
Steel	100%			LIFE	* *	2-8	\$401,200	
Secondary Member								
Steel	100%			LIFE	* *	2-8	\$336,100	
Movable Bridges								
Swing Span Truss								
Steel	100%			LIFE	* *			
Swing Span Pivot Pier								
Concrete	100%			LIFE	* *			

ridge Electrical	Currer	Current Repair		Future Replacement		aintenance		
ystem Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit	
ommunication Electrical								
Intercom								
Generic	100% Now	\$10,800	2023	\$18,000				
	Other Observation	, Extent : Severe, Are	a Affecte	d: 100%				
	Location : Entire	Bridge						
	Explanation : Int	ercom System Is Not	Function	ing				
ontrol System Electrical								
Computer								
PLC	50%		2024	\$12,400				
PLC	50%		2024	\$12,400				
Control Console								
Stainless Steel	50%		LIFE	* *				
Stainless Steel	50%		LIFE	* *				
Control Devices								
Relay	100%		2042	* *				
Disconnect Switch								
Generic	100%		2042	* *				
Limit Switch								
Generic	100% 0-2	\$1,500	2038	* *				
	Other Observation, Extent : Moderate, Area Affected : 25%							
	Location: East C	Center End Lift						
	Explanation: Ro	tary Limit Switch Mis	ssing Co	ver Allow Severe C	orrosion	<u>. </u>		
Local Starter								
Magnetic	100%		2042	* *				

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

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

Asset #: 4209

Bridge Electrical		Current Repair Future Replacement				М	Maintenance		
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	* *				
			Extent : Severe, Are	a Affecte	d: 25%				
	Location	: Center F	Pier Mcc						
	Explana	tion : End I	Lifts Do Not Disen	gage. Du	e To This The Brid	lge Will l	Vot Open.		
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	* *				
nterior Lighting									
Lighting Fixture									
Fluorescent		Now	\$200	2029	* *	1	\$5,000		
			Extent : Light, Area	Affected	: 20%				
		: Various							
	Explana	tion : Servi	ce Lighting Needs	Relampii	ng Or Ballast Repl	acement.			
Wiring Device	400			2022					
Generic	100%			2033	* *				
Navigation Lighting Fender Lighting									
Incandescent		Now ervation, E a : Center F	\$400 Extent : Light, Area Pier	2023 Affected	\$8,800 1:15%	1	\$3,000		
	Explana	tion : North	n Tip And Center E	ast Navi;	gation Lights Out.				
Pier Lighting Incandescent	100%		-	2023	\$5,900	1	\$4,500		
meandescent	100/0			2023	Ψ3,700	1	Ψ+,500		

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

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

Asset #: 4209

	Current I	Repair	Futur	e Replacement	M	aintenance	
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
		\$3,500 Extent : Light, Area	2023 Affected	\$7,000 : 20%	1	\$2,000	
Explanat	ion : Vario	ous Service Lightin	g Fixture	s Are Out. Need R	Relampin	g.	
Other Obse Location	ervation, E : Machine	Extent : Moderate, A Room	Area Affe	ected : 5%	1		
	ion : Pull I	Box For Grounding	Transfo	rmers Is Corroded	And Lat	ches Do Not	
			2022	* *			
100%			2033				
100%			2060	* *			
100%			2029	* *			
100%			2029	* *			
100%			2060	* *	1	\$1,100	
100%			2042	* *			
100%			2038	* *			
1000/			2020	¢14.500	1	¢1 100	
100%			2020	\$14,500	1	\$1,100	
Other Obse	ervation, E		2024 Area Affe	\$14,500 ected : 20%	1	\$1,000	
		-					
Бърши	J 1111	a Digitis Dioneit					
100%			2024	\$15,200	1	\$600	
						\$600	
	100% Other Obselloration Explanate 100% Other Obselloration Explanate Close. 100% 100% 100% 100% 100% 100% 100% 100	100% Now Other Observation, E Location: Warious Explanation: Warious Explanation: Machine Explanation: Pull I Close. 100%	Total (Years) 100% Now \$3,500 Other Observation, Extent: Light, Area Location: Various Explanation: Various Service Lighting 100% Now \$200 Other Observation, Extent: Moderate, A Location: Machine Room Explanation: Pull Box For Grounding Close. 100%	Now \$3,500 2023 Other Observation, Extent: Light, Area Affected Location: Various Explanation: Various Service Lighting Fixture 100% Now \$200 2030 Other Observation, Extent: Moderate, Area Affected Location: Machine Room Explanation: Pull Box For Grounding Transfor Close. 100% 2033 100% 2033 100% 2060 100% 2029 100% 2042 100% 2038 100% 2038 100% 2029 100% 2038	Now \$3,500 2023 \$7,000 Other Observation, Extent: Light, Area Affected: 20% Location: Various Explanation: Various Service Lighting Fixtures Are Out. Need Residue 100% Now \$200 2030 **	Now S3,500 2023 \$7,000 1	Now

Bridge Mechanical	Curr	ent F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail I Total (Yea		Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Swing

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

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

Asset #: 4209

ridge Mechanical	Current	Repair	Future Repl	acement	М	aintenance	
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ing							
Center Latch							
Generic	100% Now Other Observation, I Location: Center I Explanation: No O				2	\$18,000	
Center Pivot							
Generic	100% 0-2 Other Observation, Location: Center L	_		**	2 t To Acos	\$53,900	
End Lift	Explanation . No C	peranon Observea	. Some Corrosi	т. Біјјісин	10 Acce	ss merior.	
Generic	100% Now Other Observation, I Location: End Lifi Explanation: End Poor Condition.				2 s And Co	\$35,900 nuplings Are In	
Houses	Foor Conamon.						
Access Ways	Explanation: Corr	\$66,800 Extent : Severe, Are vays And Fender De voded Grating & Sup Missing Pinion Platj	cking oports. Some No		oping Ou	t Of Boards	
Control House	100% Now Other Observation, I Location: Control Explanation: No I	House	2040 Affected : 5%	* *			
Main Drive System	<u>*</u>						
Generic	100% Now Other Observation, I Location: Drive M Explanation: Brid				2 Some Rac	\$179,600 k Nuts Not Seated.	
Structural Bearings	•						
Generic	100% 0-2 Other Observation, I Location : Rest Pie Explanation : Gro			**			
Traffic Devices	<i>Y</i>		U				
Barrier Gate	100% Now Other Observation, I Location: Barrier Explanation: One	=		* *	ion		
Warning Gate	100% Now Other Observation, I	\$1,800 Extent : Light, Area	2028	* *			
		g Gates Missing Gate Arm	Buffer Stand. Sc	ome Corros	ion		

Maintenance \$ are aggregated over a ten-year 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$40,776,900	\$5,799,300
Bridge Electrical	\$1,807,200	\$233,000
Bridge Mechanical	\$3,110,700	
Total	\$45,694,900	\$6,032,300
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
Total	\$45,694,900	\$6,032,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$88,400		\$296,600	
Bridge Electrical	\$95,600	\$600	\$600	\$600
Bridge Mechanical	\$38,600			\$11,400
Total	\$222,600	\$600	\$297,100	\$12,000
Importance Code A	\$43,900		\$150,600	
Importance Code B	\$175,400	\$600	\$146,500	\$12,000
Importance Code C	\$3,300			
Total	\$222,600	\$600	\$297,100	\$12,000



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	Curre	nt Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Year	te Estimated Cost s)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth		\$11,400 Severe, Area Affected Beginning And End A		* *			
Stem (breastwall)							
Concrete	100% 4+	\$437,900	LIFE	* *			
	Cracks, Extent : So Location : End A	evere, Area Affected . Abutment	: 40%				
		tent : Moderate, Are	a Affected	! : 10%			
	Location : End A			100/			
	Location : End A			: 10%			
	Spalling, Extent : Location : End A	Light, Area Affected . butment	: 5%				
Walls							
Not Accessible	100%						
Vingwalls							
Footings	1000/						
Not Accessible	100%						
Mat (scour & erosion) Riprap	100% 4+	\$256,800	LIFE	* *			
Кіргар		\$250,000 Severe, Area Affected					
	Location : At All		. 2070				
Piles							
Not Accessible	100%						
Walls							
Concrete	100% 4+	\$74,000	LIFE	* *			
	Cracking/Crumbli	ng, Extent : Moderat	e, Area Aj	ffected : 10%			
		om Locations At The		_			
		tent : Light, Area Aff					
	Location : Rande	om Locations At All V	Vingwalls				
eature Crossed							
Mat (scour & erosion)	1000/ 1	Φ.77, 000	LIEE	* *			
Earth	100% Now	\$57,900 Severe, Area Affected	LIFE	* *			
	Location : Pier 2		. 1370				
C. D. 1		. South Side	TIPE	* *			
Stream Bed Pier Protection	100%		LIFE	* *			
Pier Protection Timber	100%		LIFE	* *			
approaches	10070		LIFE	·			
Pavement							
Asphalt	100% 4+	\$56,700	2025	\$283,700	4	\$9,700	
- aspanit		loderate, Area Affect		4 205,700	•	Ψ2,700	

Maintenance \$ are aggregated over a ten-year period. Site 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	N	Maintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year Estimated Cos FY	Cycle (Yrs)	Estimated Cost	Priority
Approaches Curbs					
Concrete	100% Now \$16,00 Broken/Missing Elements, Extent: So Location: Both Approaches Cracks, Extent: Moderate, Area Affe Location: Both Approaches	evere, Area Affected : 20%	ς		
	Settlement, Extent : Moderate, Area L Location : Both Approaches	Affected : 50%			
Embankment Earth	100% 2-4 \$90 Erosion, Extent : Moderate, Area Aff Location : Both Approaches	·	•		
Guide Railing					
Steel	50% Now \$1,40 Damaged Railing, Extent : Severe, A Location : Beginning Approach So	rea Affected : 10%	2-8	\$5,800	
Steel	50% Now \$70 Damaged Railing, Extent: Moderate Location: End Approach South Sia	, Area Affected : 20%	2-8	\$5,800	
Pavement Base Not Accessible	100%				
Sidewalks Asphalt	100% 2-4 \$2,30	0 2025 \$11,600) 4	\$900	
•	Cracks, Extent : Moderate, Area Affe Location : End Approach South Sia	ected : 10%			
Piers					
Cap Beam Concrete	60% 2-4 \$479,70 Delaminations, Extent: Moderate, A Location: Piers 3, 4, 5, 10, 11 & 1.	rea Affected : 15%	¢		
	Spalling, Extent : Moderate, Area Af Location : Piers 3, 4, 5, 10, 11 & 1				
Concrete	40%	LIFE * ;	•		

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

idge Structure		Current l	Repair	Futur	re Replacement	M	aintenance		
tem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit	
S									
Pier, Columns									
Concrete	44%			LIFE	* *				
Concrete	33%	4+	\$1,927,600	LIFE	* *				
			lerate, Area Affecte	d: 20%					
	Location : All Piers								
			ıt : Light, Area Affe	ected : 20)%				
		: All Piers		4 4 66	1 2007				
	=	einforceme : All Piers	ent, Extent : Light,	Area Aff	ected : 20%				
				200/					
		extent : Lig : All Piers	ht, Area Affected :	20%					
				TIPE	jtt-				
Concrete	23%	0-2	\$335,900 ere, Area Affected :	LIFE	* *				
		tient : Seve : Piers 3 d		3%					
			x 11 1t : Moderate, Area	Affactac	1 . 50/				
		: Piers 3		Ајјестес	1. 5/0				
Stem,Solid Pier	Bocanon								
Concrete	25%	4+	\$284,500	LIFE	* *				
Concrete			lerate, Area Affecte						
		: Piers 2 A							
	Delamina	tions, Exter	ıt : Light, Area Affe	ected : 10	0%				
	Location	: Piers 2 A	And 12						
	Effloresce	nce, Exteni	: Moderate, Area	Affected	: 20%				
		: Piers 2 A							
			ent, Extent : Light,	Area Aff	ected : 5%				
		: Piers 2 A							
			derate, Area Affect	ted : 5%					
	Location	: Piers 2 A	And 12						
Concrete	75%			LIFE	* *				
Brngs, Ancr Blts, Pads									
Steel	100%	2-4	\$2,218,000	LIFE	* *	2-8	\$40,300		
			evere, Area Affecte						
E. dina	Location	: Piers 2,	3, 4, 5, 10, 11 & 12	2					
Footings Not Accessible	100%								
	100%								
Mat (scour & erosion) Riprap	100%	4+	\$3,100	LIFE	* *				
тартар			\$3,100 Extent : Light, Area						
		: Piers 2	_	-55 - 51 - 61					
	Explana	tion : Solid	Stem Pier						
Pedestals	1								
Concrete	100%	4+	\$24,900	LIFE	* *				
	Cracks, E.	xtent : Ligh	t, Area Affected : 1	10%					
	Location	: Pier 11							
	-		derate, Area Affect	ted : 10%	6				
	Location	: Piers 2 A	And 11						

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	M	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
eck Elements					
Curbs					
Concrete	100% Now \$3,777,300 Broken/Missing Elements, Extent : Seve Location : Spans 9, 10, 11, 12, 13 And		i		
Steel	100% Recent Replace Evident, Extent : Light, Location : Spans 9 - 14 On The South		:		
Median					
Concrete	100% 4+ \$77,000 Cracks, Extent: Moderate, Area Affect Location: Span 3, 4, 5, 7, 9, 10, 11, 1 Spalling, Extent: Moderate, Area Affect Location: Span 3, 4, 5, 7, 9, 10, 11, 1	12, 13 & 14 cted : 15%	5	\$3,300	
Steel	30% 4+ \$17,400 Corrosion, Extent : Moderate, Area Aff Location : Random Spans	LIFE ** fected : 20%	4-8	\$26,500	
Steel	70%	LIFE **	4-8	\$26,500	
Railings/Parapets					
Steel	10% 4+ \$5,300 Corrosion, Extent: Light, Area Affected Location: Span 7 Damaged Railing, Extent: Light, Area		2-8	\$36,800	
	Location : Span 9			** * * * * * * * * * * * * * * * * * *	
Steel	90%	LIFE **	2-8	\$36,800	
Sidewalks Concrete	40% 4+ \$47,400 Spalling, Extent : Moderate, Area Affect Location : Random Spans	2029 *** cted : 20%	5	\$10,400	
Concrete	30% 0-2 \$106,600 Spalling, Extent : Moderate, Area Affect Location : Random Spans	2032 *** cted : 20%	5	\$10,400	
Concrete	30% Now \$106,600 Broken/Missing Elements, Extent: Seve Location: Spans 3, 6, 9, 10, 11, 12, 1 Spalling, Extent: Severe, Area Affected Location: Spans 3, 6, 9, 10, 11, 12, 1	3 And 14 l : 25%	5	\$10,400	
Steel	100% Recent Replace Evident, Extent : Light, Location : Spans 9, 10, 11, 12, 13, An		2-0		

Maintenance \$ are aggregated over a ten-year period. Site 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 Replacen	nent	Ma	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years) Year Estimated FY	d Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements					
Wearing Surface	***		_		
Asphalt	Cracks, Extent: Moderate, Area Affected: 30% Location: Random Spans Settlement, Extent: Moderate, Area Affected: 5% Location: Span 14	22,600	5	\$42,000	
	Spalling, Extent : Moderate, Area Affected : 30% Location : Random Spans				
Asphalt		2,600	5	\$42,000	
	Location: Random Spans Spalling, Extent: Moderate, Area Affected: 10% Location: Random Spans				
Superstructure					
Deck,Structural					
Concrete	90% 4+ \$2,624,400 LIFE Cracks, Extent: Moderate, Area Affected: 50% Location: Spans 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13 & 14 Delaminations, Extent: Light, Area Affected: 10% Location: Random Spans	* *	5	\$72,800	
	Efflorescence, Extent : Light, Area Affected : 30% Location : Random Spans				
	Spalling, Extent : Light, Area Affected : 10% Location : Random Spans				
Concrete	10% Now \$58,300 LIFE Other Observation, Extent: Severe, Area Affected: 10% Location: Span 10 Explanation: 6ft X 7ft Hole In The Deck	* *	5	\$72,800	
Joints		_			
Generic	100% Now \$108,800 LIFE Leakage, Extent: Severe, Area Affected: 50% Location: Piers 2, 3, 4, 5,10,11 And 12 Other Observation, Extent: Moderate, Area Affected: 50%	* *			
	Location: Piers 2, 3, 4, 5, 10, 11 And 12				
	Explanation : Joints Paved Over				

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

Asset #: 4318

Bridge Structure	Current Repa	ir Fu	ture Replacement	M						
System Component Type	% of Fail Date Esti Total (Years)	imated Cost Ye	ar Estimated Cos Y	Cycle (Yrs)	Estimated Cost	Priority				
Superstructure										
Primary Member										
Concrete		\$2,795,700 LII	E * *	* 5	\$38,600					
	Cracks, Extent : Severe, A									
	Location: Spans 13 And 14									
	Efflorescence, Extent : Moderate, Area Affected : 50%									
	Location: Spans 1, 2, 13									
Steel		13,481,600 LII		2-8	\$1,358,800					
	Corrosion, Extent: Moderate, Area Affected: 25%									
	Location : Spans 3, 4, 9, 10 & 11 Loss of Section, Extent : Moderate, Area Affected : 20%									
			cted : 20%							
	Location: Spans 3, 4, 9,	10 & 11								
Steel	75%	LII	FE * *	* 2-8	\$1,358,800					
Secondary Member										
Concrete	90%	LII		5	\$933,900					
Concrete	10% 2-4	\$4,900 LII		* 5	\$933,900					
	Spalling, Extent: Severe, Area Affected: 50%									
	Location : Spans 1 And 1	!4								
Steel	90%	LII		2-0	\$1,138,600					
Steel	10% 4+	\$45,500 LII		2-8	\$1,138,600					
	Corrosion, Extent : Moderate, Area Affected : 10%									
	Location : Span 7									
Movable Bridges										
Bascule Span										
Steel		11,057,200 LII		k						
	Other Observation, Extent : Moderate, Area Affected : 15%									
	Location: Bascule Span 8									
	Explanation: Corrosion	On Steel And Cour	iterweight Deteriora	tion						
Bascule Span Pier	100/ 4	Φ 2 0,5,000 I.T.	7 7	,						
Concrete	10% 4+ \$205,800 LIFE **									
	Other Observation, Extent: Moderate, Area Affected: 10%									
	Location: Bascule Piers									
	Explanation : Concrete I		71C *:	<i>b</i>						
Concrete	90%	LII	<u>*</u>	•						

Bridge Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical Communications	1000/		#24.500	2024	#24.500			

Generic 100% Now \$34,500 2024 \$34,500

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

Location: Operators Room

Explanation: Land Line Desktop Phone Not Functioning

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

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

Asset #: 4318

Bridge Electrical		Current l	Repair	Futur	e Replacement	M		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Intercom								
Generic	Location	servation, E 1 : Entire B	\$14,400 Extent : Severe, Are ridge ic Address System I					
Control System Electrical								
Control Console Metal			\$7,200 Extent : Severe, Are Console	2041 a Affecte	* * ed : 25%			
	Explana	tion : Posit	ion Indicators Inop	erative				
Control Devices								
Relay	100%			2029	* *			
Disconnect Switch Non Fused	100%			2029	* *			
Limit Switch								
Lever	100%			2019				
Plunger	100%			2019				
Generic	100%			2029	* *			
Orive Machinery Brake Thruster	100%			2044	* *			
Motor Brake								
Thruster	Location	servation, E 1 : Machine	\$61,700 Extent : Moderate, A ery Room egency Brakes	2044 Area Affe	* * ected : 30%			
Span Lock Motor	Ехрини	iion . Linei	gency Brakes					
Generic Generic	100%			2034	* *			
Electrical Power MCC	10070							
Contactors	100%			2037	* *			
PanelBoard								
Circuit Breaker	100%			2029	* *			
Service Equipment	» = =			205=				
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				
nterior Lighting	10070							

Interior Lighting

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

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

Asset #: 4318

Bridge Electrical	Current Repair		Futur	e Replacement	Maintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior Lighting Lighting Fixture Fluorescent	100% Now Other Observation, Ex Location : Random I Explanation : Servic	Locations Through	out					
HID	100% Now Broken/Missing Eleme Location: Lighting I	\$1,300 ents, Extent : Mode	2028 rate, Ar	* * ea Affected : 40%				
Incandescent	100% 4+ Other Observation, Ex Location: Random I Explanation: Lightin	\$600 tent : Moderate, A Locations Through	2024 rea Affe out	\$3,200				
Wiring Device Generic	100%		2032	* *				
Navigation Lighting Fender Lighting Incandescent	100% Now Other Observation, Ex Location : Fender As Explanation : Inopen	rea	2024 Affected	\$18,400 d : 100%				
Span Lighting	Explanation: Inoper	abic Haviganon Li	Sins					
Incandescent	100% 0-2 Other Observation, Ex Location: Center Of	Span						
Power Over 600V	Explanation: 2 Of 4	Span Navigation L	aghts Ai	re Inoperable				
Transformer Oil	100%		2022					
Raceway Communications Twisted Shielded pair	100%		2019					
Conduit Metal	100% 4+ Other Observation, Ex Location : Random I Explanation : Condu	Locations Through	out					
Submarine Control Cables	Explanation . Condu	iiis Compietely Cor	roueu I	n some Locations				
Control Submarine Power Cable	100%		2018					
Power	100%		2022					
Trough Metal	100%		2039	**				
Wires Rubber	100% 0-2 Other Observation, Ex Location : Random 1 Explanation : Condu	Locations Through	out					

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

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

Asset #: 4318

Bridge Electrical	Current F	Repair	Futur	e Replacement	Ma	intenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Raceway							
Wiring							
Generic	100% Now	\$1,060,800	2029	* *			
	Other Observation, E	xtent : Light, Area	Affected	: 50%			
	Location: Random	Locations Through	out				
	Explanation: Pull I	Boxes Corroded An	d Not Pr	oviding Protection	ı		
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			
	Other Observation, E	xtent : Severe, Ared	a Affecte	d: 50%			
	Location: Warning						
	Explanation : Traffi						
Traffic Signal							
Generic	100%		2022	\$233,000			

Bridge Mechanical	Curre	nt Repair	Future	Replacement	Maintenand	е					
System Component Type	% of Fail Da Total (Year	te Estimated Cost	Year l FY	Estimated Cost	Cycle Estimat (Yrs)	ed Cost	Priority				
ascule											
Counter Weight											
Generic	100% 2-4	\$529,900	2052	* *							
	Other Observation	Other Observation, Extent: Moderate, Area Affected: 30%									
	Location: Unde	rside Of Counterweig	hts								
	Explanation : Sp	alling Concrete And	Exposed Re	e-bar On Both Co	ounterweights.						
Emergency Drive											
Emergency Power	50% Now	\$34,600	2039	* *							
	Other Observation	, Extent : Severe, Are	a Affected	: 30%							
	Location: North	Leaf									
	Explanation : Co Not Be Tested.	rroded Motor Coupli	ng And The	e Brake Thrustor	Is Leaking. Systen	n Could					
Emergency Power	50% Now	\$34,600	2039	* *							
	Other Observation	, Extent : Severe, Are	a Affected	: 30%							
	Location: South	Leaf									
	Explanation: Components And Linkage Corroded, System Could Not Be Tested.										
Fuel Tanks											
Generic	100% Now	\$3,900	2029	* *							
	Other Observation, Extent : Light, Area Affected : 50%										
	Location: Control House										
	Explanation: One Of Two Tanks Leaking In Past. Now Bypassed And Only One Tank Being Used. Tank Used Has 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.

Asset #: 4318

idge Mechanical	Current F	Repair	Future Re	eplacement	М	aintenance			
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year Est	timated Cost	Cycle (Yrs)	Estimated Cost	Priorit		
cule									
Houses	400	*** ***							
Access Ways	100% Now	\$55,500	2027	* *					
	Other Observation, E Location : Access V		a Affected : 1	10%					
	Explanation: Some Grating.	Areas Of Corrode	d Grating. Sc	ome Repairs R	equired T	To Doors And			
Control House	100% Now	\$102,100	2039	* *					
	Other Observation, E		Area Affected	! : 20%					
	Location: Control House								
	Explanation : Wind	ows And Doors Ne	ed Repair.						
Machinery Room	100% Now	\$44,100	2039	* *					
	Other Observation, E			1:30%					
	Location : South Ar	-							
	Explanation : Some	Doors And Locks	Need Repair.						
Lock Bars									
With Motor	100% Now	\$281,900	2033	* *					
	Other Observation, E			: 80%					
	Location : Span Loc	-		D 1 11		1 1 61 6			
	Explanation: Corre			Broken Hange	r Reporte	ed. No Shaft			
Main Drive System	Extension Covers. S	оте керин кеци	irea.						
Generic Generic	100% 2-4	\$1,877,300	2039	* *					
Generic	Other Observation, E Location : Main Dr	xtent : Moderate, A		: 50%					
	Explanation : Mach Repairs/ Rehabilita	inery Components		f Moderate To	Heavy (Corrosion. Some			
Rack									
Generic	100% 0-2	\$21,200	2027	* *					
	Other Observation, E	xtent : Light, Area	Affected: 29	6					
	Location : Racks								
	Explanation: Some	Surface Corrosion	ı Observed O	n Teeth.					
Structural Bearings									
Generic	100% Now	\$1,100	2020	\$11,400					
	Other Observation, E		Area Affectea	2: 25%					
	Location : Live Loa	=				a. a .			
	Explanation: Live I	_	ld Not Be Di	rectly Accesse	d. From	Shore, Corrosion			
Traffic Devices	Noted. Adjustment l	пау ве кецитеа.							
Warning Gate	100% Now	\$12,400	2037	* *					
warning Gate	Other Observation, E Location : Traffic O	xtent : Moderate, A		! : 2%					
	Explanation : One		nchor Bolt. S	Some Gates Ar	e Missin	g Locks.			
Trunnion									
Generic	100% Now	\$150,600	2027	* *					
	Other Observation, E	xtent : Light, Area	Affected: 20)%					
	Location: Trunnion	ı Assemblies							
	Explanation: Corre	osion On Trunnion	Assembly Co	omponents.					

Maintenance \$ are aggregated over a ten-year 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Electrical	\$52,000	
Bridge Mechanical	\$489,500	
Total	\$541,500	
Importance Code B	\$541,500	
Total	\$541,500	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$19,700		\$6,800	
Bridge Electrical	\$84,800			
Bridge Mechanical	\$39,900			
Total	\$144,500		\$6,800	
Importance Code A	\$12,300			
Importance Code B	\$124,800			
Importance Code C	\$7,400		\$6,800	
Total	\$144,500		\$6,800	



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

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

DEPARTMENT OF TRANSPORTATION - 841 NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL

Asset #: 13512

Bridge Structure	Current	Repair	Futur	e Replacement	M	aintenance			
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
butments	•								
Footings									
Not Accessible	100%								
Stem (breastwall)									
Concrete	100%		LIFE	* *					
eature Crossed									
Bank Protection									
Sheet Piling	100%		LIFE	* *					
Timber	100% 2-4	\$7,400	2032	* *					
Timoer				ea Affected · 15%					
	Broken/Missing Elements, Extent : Moderate, Area Affected : 15% Location : South Of Pier 1								
	Rotted, Extent: Mod	•	1 . 100/						
			1.10%						
	Location : South (oj Pier i							
Mat (scour & erosion)	400-								
Not Accessible	100%								
Pier Protection									
Timber	100%		LIFE	* *					
	Split/Dry/Cracked, I	Extent : Light, Area	Affected .	: 1%					
	Location: Timber	Protection At Begin	Vertical	Lift Pier					
approaches									
Pavement									
Concrete	100%		2039	* *	4	\$13,500			
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Cracks, Extent : Mo	derate. Area Affecte				, ,- · · ·			
		ing And End Approa							
Curbs									
Concrete w/ Steel Face	100%		LIFE	* *					
	100%		LIFE						
Sidewalks	1000/		TIPE	* *					
Concrete	100%		LIFE	* *					
Deck Elements									
Curbs									
Concrete w/ Steel Face	100%		LIFE	* *					
Sidewalks									
Concrete	100%		2034	* *	5				
	Other Observation,	Extent : Light, Area	Affected	: 1%					
	Location: Spans	1 & 3							
	Explanation : Side	walk Is In Good Co	ndition						
Wearing Surface									
Asphalt	100%		2029	* *	5				
uperstructure									
Primary Member									
Concrete	100%		LIFE	* *	5				
Concrete	Other Observation,	Frient · Light Arga			5				
	Location: Spans		119960164	. 1/0					
	-								
f	Explanation: Con	стете Деск							
Movable Bridges									
Vertical Lift Span	1000/		TIPE	ale -1-					
Steel	100%		LIFE	* *					

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

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

DEPARTMENT OF TRANSPORTATION - 841 NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL

Asset #: 13512

Bridge Structure	Current	Repair	Futur	e Replacement	acement Maintenance				
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Movable Bridges									
Vertical Lift Tower									
Steel	5% Now	\$12,300	LIFE	* *					
	Other Observation, Extent : Severe, Area Affected : 1%								
	Location: Begin Vertical Lift Pier 1, North Bearing								
	Explanation: Nort	h Side Rocker Bear	ing Tilted	d Approximately 4.	5 Degree	S			
Steel	95%		LIFE	* *					
Vertical Lift Pier									
Concrete	100%		LIFE	* *					

Bridge Electrical	Current Rep	air	Futur	e Replacement	M	aintenance			
System Component Type	% of Fail Date Ed Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Communication Electrical									
Communications									
Generic	100% Now	T-0,	2022	\$34,500					
	Other Observation, Exte		ea Affe	cted : 100%					
	Location : Entire Bridg	•							
	Explanation: Cctv, Fi	re Alarm, Security	Systen	ı, Public Address l	Vot Func	tioning			
Control System Electrical									
Computer	400			** • * • • • •					
PLC	100% Now	. /	2022	\$24,700					
	Other Observation, Exte		ea Affe	cted : 100%					
	Location: Electric Room Explanation: Bridge Operates Under Half Speed- Otherwise It Goes Out Of Skew. East								
		-	ılf Spee	ed- Otherwise It G	oes Out (Of Skew. East			
Control Console	Height Indicator Broke	en.							
Stainless Steel	100% Now	\$9.200	LIFE	* *					
Stamess Steel		1 - 7		. 10%					
	Other Observation, Extent : Light, Area Affected : 10% Location : Plc User Console								
	Explanation : Alarm P	rinter Not Functio	ning						
Disconnect Switch									
Generic	100%	·	2044	* *					
Limit Switch									
Generic	100%	,	2044	* *					
Electrical Power									
Transfer Switch									
Auto	100% Now	\$19,600	2044	* *					
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Electrical R	coom							
	Explanation: Transfer	Switch Not Work	ing, Or	aly Stays On Prima	ıry Powe	r.			
Heating									
Generic	100%	,	2044	* *					

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

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

DEPARTMENT OF TRANSPORTATION - 841 NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL

Asset #: 13512

Bridge Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Electrical Power								
Dist Equip & Motor Control	l							
Generic	1%	Now	\$11,000	2044	* *			
			xtent : Moderate, A					
	Location	: Bridge C	Control System/ Mo	tor Cont	rollers			
			e Operators Are To pen To Avoid Skew		un Bridge In Redu	ced Speed	d To Avoid Skew	
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	* *			
			xtent : Moderate, A	rea Affe	ected : 20%			
		: Control		G 1.				
7. 11 D	Explana	non : Not A	ll Conductors And	Conduit	s Are Grounded			
Stand-by Power								
Generator	100%			2044	* *			
Natural Gas	100%			2044				
Lighting Lighting Devices								
Generic	100%	Now	\$9,500	2029	* *			
			xtent : Light, Area					
			Light Fixtures Thr	oughout	Bridge			
	Explana	ion : Light	Bulbs Out					

Bridge Mechanical	Current R	epair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Lift							
Counter Weight Ropes & Gu							
Generic	100% Now	\$8,500	2059	* *			
	Other Observation, Ex	ctent : Light, Area	Affected	: 2%			
	Location: Cwt Guid	les					
	Explanation: Minor	Corrosion On Gu	ide Fast	eners.			
Counter Weight							
Main CTRWT	100%		2059	* *			

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

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

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

DEPARTMENT OF TRANSPORTATION - 841 NINTH STREET BRIDGE NINTH ST. BRIDGE/GOWANUS CANAL

Asset #: 13512

idge Mechanical	Current Re	pair	Futur	e Replacement	M	aintenance			
stem Component Type	% of Fail Date I Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
tical Lift									
Emergency Drive									
Emergency Power	100%		2052	* *					
	Other Observation, Ext	_							
	Location : Machine R		•	evel					
E. II I.	Explanation: System	Could Not Be Te	ested.						
End Locks With Motor	100% Now	\$349,100	2052	* *					
WILLI MIOLOI									
	Other Observation, Extent : Severe, Area Affected : 50% Location : Lock Machinery								
	Explanation : All Loc	=	Kent In	The Withdrawn Pa	sition C	orrosion			
	Observed. Repairs Ne		nepi m		silion e	orrosion			
Houses									
Access Ways	100% Now	\$12,600	2037	* *					
	Other Observation, Ext		Area Affe	ected : 1%					
	Location : Span Lock								
	Explanation : Hatche								
Control House	100% Now	\$13,600	2059	* *					
		Other Observation, Extent: Light, Area Affected: 2%							
	Location : Control He								
	Explanation : Leaking	g Windows And R							
HVAC	100%		2052	* *					
Machinery Room	100%		2059	* *					
Main Drive System	1000/ 37	01.10.100	20.50	ate ate					
Generic	100% Now	\$140,400	2059	**					
		Other Observation, Extent: Severe, Area Affected: 10%							
	Location : Machine R		oona Mal	ina Naisa Bushas	Danina	Classias P			
	Explanation : Motors, Possible Adjustment.	, Бтакез & Кеаш	zers mak	ing Noise. Brakes	Kequire	Cleaning &			
Sheaves									
Generic	1% Now	\$600	2059	* *					
	Other Observation, Ext	ent : Light, Area	Affected	: 1%					
	Location : Sheave Rooms								
	Explanation: Missing	g Purge Plug No	ted At Oi	ne Location.					
Generic	99%		2059	* *					
Traffic Devices									
Barrier Gate	100%		2033	* *					
Warning Gate	100% Now	\$4,600	2033	* *					
	Other Observation, Ext	_	Affected	: 1%					
	Location: Warning C								
	Explanation : Broken	Door Hardware	Noted						

^{**} 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 : PELHAM BRIDGE SHORE ROAD/HUTCHINSON RIVER

Address : EASTCHESTER BAY, BX, PELHAM PKY

Borough : BRONX Agency's Number : N/A

Area Sq Ft : 42,640 Project Type : WATERWAY BRIDGES

Date of Survey : 22-May-2014 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240200

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$8,712,600	\$580,800
Bridge Electrical	\$473,600	\$2,484,900
Bridge Mechanical	\$842,800	
Total	\$10,029,000	\$3,065,800
Importance Code A	\$8,508,600	\$259,900
Importance Code B	\$1,520,500	\$2,484,900
Importance Code C		\$320,900
Total	\$10,029,000	\$3,065,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$36,600	\$12,700	\$8,600	\$9,800
Bridge Electrical	\$106,600	\$200	\$200	\$200
Bridge Mechanical	\$152,900			
Total	\$296,100	\$12,900	\$8,800	\$10,000
Importance Code A	\$2,100	\$12,700	\$8,600	
Importance Code B	\$259,500	\$200	\$200	\$200
Importance Code C	\$34,400			\$9,800
Total	\$296,100	\$12,900	\$8,800	\$10,000



Maintenance \$ are aggregated over a ten-year period. Site 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	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
	Other Observation,	Extent : Light, Area	Affected	: 1%			
	Location: End Ab	utment					
	Explanation: Ear	th In Front Of Abutn	nent At L	ow Tide.			
Riprap	100%		LIFE	* *			
	Other Observation,	Extent : Light, Area		: 1%			
	Location : Both Al	_	33				
		Rap At Begin Abutn	ent And	At Corners Of The	End Abi	utment.	
Stem (breastwall)	r	T 200m Hown		. ca.nors of the			
Masonry: Granite	100%		LIFE	* *			
Vingwalls	100/0		LIIL				
Footings							
Not Accessible	100%						
Mat (scour & erosion)	10070						
	100%		LIFE	* *			
Riprap	Settlement, Extent:	Light Auga Affords					
			1:170				
	Location : Begin F	aignt wingwaii					
Piles	1000/						
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	* *			
	Other Observation,	Extent : Light, Area	Affected	: 1%			
	Location: Piers 3	& 4					
	Explanation : New	Pier Protection Ins	talled.				
Approaches	<u> </u>						
Pavement							
Asphalt	100% 4+	\$3,100	2026	\$157,400	4	\$5,400	
· r	Cracks, Extent : Mo			,,	-	72,100	
	Location : Both Ap						
Curbs		•					
Concrete w/ Steel Face	100%		LIFE	* *			
Embankment	100/0						
Embankment Earth	100%		LIFE	* *			
				* *			
Stone Rough Work	100%		LIFE	~ *			
Guide Railing	1000			ale -1-	2.0	A = 000	
Steel	100%		LIFE	* *	2-8	\$5,800	

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

^{**} 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 l	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
pproaches								
Mat (scour & erosion)								
Earth	100%			LIFE	* *			
Riprap	100%			LIFE	* *			
Sidewalks								
Concrete	100%			LIFE	* *			
iers								
Stem,Solid Pier								
Concrete	100%		\$96,400	LIFE	* *			
			lerate, Area Affecte	d : 15%				
		1 : Piers 1,2						
			nt : Moderate, Area	Affectea	! : 15%			
		ı : Piers 1,2						
	-	_	ht, Area Affected :	5%				
	Location	ı : Piers 1,2						
Granite	100%	4+	\$107,700	LIFE	* *			
		_	it : Moderate, Area	Affected	: 50%			
	Location	ı : Piers 1,	2, 5, 6					
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Not Accessible	100%							
eck Elements								
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Guide Railing								
Concrete	100%	4+	\$2,100	2042	* *			
			Extent : Light, Area	Affected	: 50%			
		ı : Spans 1-						
	Explana	tion : Conc	rete Barrier On Th	e Bridge	, Left Side Only			
Railings/Parapets								
Concrete	100%			2034	* *	4	\$38,100	
			Extent : Light, Area	Affected	: 100%			
	Location: Spans 1-3 And 5-7.							
	Explana	tion : Right	t Side Of Bridge.					
Sidewalks								
Concrete	75%			2030	* *	5	\$19,700	
Concrete	25%	2-4	\$28,000	2030	* *	5	\$9,800	
			lerate, Area Affecte					
		-	3 And 5-7 Sidewall					
	_	_	Extent : Severe, A	rea Affec	ted : 20%			
		-	3 And 5-7 Fascias					
	-		derate, Area Affect		ó			
	Location	ı : Spans 1-	3 And 5-7 Fascias.					

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

^{**} 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		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements					
Wearing Surface					
Asphalt	100% Now \$3,300	2026 \$163,500	5	\$15,400	
	Cracks, Extent : Moderate, Area Affecto Location : Span 7 Exhibits Transverse				
	Other Observation, Extent: Moderate,	o .			
	Location: Pier 5, Right Side	Area Ajjeciea . 270			
	Explanation: Pavement Settlement A	round Drainage Scupper			
Steel Grating	100%	LIFE **	5	\$11,500	
Steel Grating	Other Observation, Extent : Light, Area		3	Ψ11,500	
	Location : Span 4				
	Explanation : Steel Grating In Bascul	'e Span 4.			
Superstructure					
Primary Member					
Concrete	100% 2-4 \$2,463,800	LIFE **	5	\$175,500	2
	Cracks, Extent : Moderate, Area Affecto Location : Spans 1, 2, 3, 5, 6, 7	ed : 10%			
	Delaminations, Extent: Severe, Area A	ffected : 50%			
	Location: Spans 1, 2, 3, 5, 6, 7	yeciea . 5070			
	Spalling, Extent: Severe, Area Affected	: 10%			
	Location : Spans 1, 2, 3, 5, 6, 7				
Steel	100% 4+ \$2,123,200	LIFE **	2-8	\$157,700	
	Corrosion, Extent : Moderate, Area Aff			,	
	Location : Exposed Steel Truss In Ran	ıdom Spans.			
Movable Bridges					
Bascule Span					
Steel	100% 2-4 \$2,185,600	LIFE **			
	Other Observation, Extent: Severe, Are	ea Affected : 15%			
	Location: Span 4 Explanation: Corrosion Holes, Section	on Lagger At Covered Mamb	ous Of Th	o Duian ama Anad	
	Secondary Members	m Losses Ai Severai Memo	ers Oj Tra	e Frimary Ana	
Bascule Span Pier					
Concrete	100% 2-4 \$1,736,000	LIFE **			
	Other Observation, Extent: Moderate,	Area Affected : 20%			
	Location: Piers 3 & 4				
	Explanation : Pier Wall Supporting To Rebars.	russ Members Is Cracking 1	And Spall	ing With Exposed	

Bridge Electrical	Current R	Repair	Futur	e Replacement	M	aintenance	
System Component Type	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

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

Location: System Wide

Explanation: The Circuits In The Submarine Cable Utilized By This Equipment Have Been

Utilized For Another System.

Maintenance \$ are aggregated over a ten-year period. Site 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 Electrical		Current Rep	air	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Es (Years)	timated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ontrol System Electrical								
Control Console								
Stainless Steel	100%	Now	\$18,300	LIFE	* *			
	Other Obse	ervation, Exte	nt : Moderate, A	Area Affe	cted : 25%			
	Location	: Control Des	k					
	Explanat	ion : Automat	c Seating Is No	t Functio	oning. Must Be Ma	nually C	ontrolled.	
Disconnect Switch								
Generic	100%			2030	* *			
Limit Switch								
Generic	100%	Now	\$17,900	2038	* *			
	Other Obs	ervation, Exte	nt : Severe, Are	a Affecte	d : 50%			
	Location	: North Leaf T	Гое.					
	Explanat	ion : Seating I	Limit Switches A	Are Broke	en.			
Electrical Power								
Transformer								
Dry	100%			2038	* *			
Dist Equip & Motor Contro	11							
Generic	100%	Now	\$11,500	2023	\$573,800			
	Other Obse	ervation, Exte	nt : Light, Area	Affected	: 10%			
	Location	: MCC Bucke	ts					
	-	ion : Circuit B heast Warning	_	s Broken	On Two Buckets.	Southwe:	st Motor Brake	
Fround/Lightning Protection								
Ground Bus								
Copper	100%			2030	* *			
aceway								
Submarine Control Cables								
Generic	100%			2023	\$817,100			

Wiring								
Wiring Generic	100%	Now	\$304,000	2023	\$1,013,400			
•		11011	\$304,000 nt : Moderate, A					
•	Other Obse	11011	nt : Moderate, A					
•	Other Obse Location Explanat	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe		tion Boxe	es And Pull Boxes	
Generic	Other Obse Location Explanat	ervation, Extent	nt : Moderate, A ght Pits	Area Affe	cted : 30%	tion Box	es And Pull Boxes	
Generic tand-by Power	Other Obse Location Explanat	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe	cted : 30%	tion Boxe	es And Pull Boxes	
Generic	Other Obse Location Explanat	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe	cted : 30%	tion Box	es And Pull Boxes	
Generic tand-by Power Generator Diesel	Other Obse Location Explanat Are Miss	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe	cted : 30% re Corroded. Junc	tion Box	es And Pull Boxes	
Generic Stand-by Power Generator Diesel Traffic System Electrical	Other Obse Location Explanat Are Miss	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe	cted : 30% re Corroded. Junc	tion Boxe	es And Pull Boxes	
tand-by Power Generator Diesel raffic System Electrical Traffic Signal	Other Obse Location Explanat Are Miss	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe pports A. 2045	cted : 30% re Corroded. Junc **	tion Boxa		
tand-by Power Generator Diesel Traffic System Electrical Traffic Signal Generic	Other Obse Location Explanat Are Miss.	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe	cted : 30% re Corroded. Junc		es And Pull Boxes	
Generic Stand-by Power Generator Diesel Traffic System Electrical Traffic Signal Generic Lighting	Other Obse Location Explanat Are Miss.	ervation, Extent : Counterweig	nt : Moderate, A ght Pits	Area Affe pports A. 2045	cted : 30% re Corroded. Junc **			
tand-by Power Generator Diesel Traffic System Electrical Traffic Signal Generic ighting Lighting Devices	Other Obse Location Explanat Are Miss 100%	ervation, Exter : Counterweig ion : Conduit a ing Covers.	nt : Moderate, A ght Pits And Conduit Su	Area Affe pports A. 2045	cted : 30% re Corroded. Junc * * \$169,600			
tand-by Power Generator Diesel Traffic System Electrical Traffic Signal Generic	Other Obse Location Explanat Are Miss. 100%	ervation, Exter : Counterweig ion: Conduit a ing Covers.	nt : Moderate, Aght Pits And Conduit Su \$24,200	2045 2020 2023	** \$169,600			
Generic Stand-by Power Generator Diesel Traffic System Electrical Traffic Signal Generic sighting Lighting Devices	Other Obsection Explanat Are Miss. 100% 100% 100% Other Obsection	ervation, Exter : Counterweig ion: Conduit A ing Covers. Now ervation, Exter	nt : Moderate, A ght Pits And Conduit Su \$24,200 nt : Light, Area	2045 2020 2023 Affected	** \$169,600			
Generic Stand-by Power Generator Diesel Traffic System Electrical Traffic Signal Generic sighting Lighting Devices	Other Obse Location Explanat Are Miss. 100% 100%	ervation, Exter : Counterweig ion: Conduit A ing Covers. Now ervation, Exter : Toe Of Both	nt : Moderate, A ght Pits And Conduit Su \$24,200 nt : Light, Area Spans, Various	2045 2020 2023 Affected	** \$169,600	1	\$1,900	

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

^{**} 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

ridge Mechanical	Current Repair Future Replacement Maintenance
stem Component Type	% of Fail Date Estimated Cost Total (Years) Year Estimated Cost (Yrs) Priority
scule	
Counter Weight	
Generic	100% 0-2 \$207,300 2040 ** Other Observation, Extent: Severe, Area Affected: 20% Location: North And South Counterweights Explanation: Corroded Steel
Emergency Drive	
Emergency Power	100% Now \$9,300 2040 *** Other Observation, Extent: Moderate, Area Affected: 100% Location: Emergency Generator Explanation: The Bridge Has Not Been Operated On Emergency Power. Battery Reported To Be Dead. Need To Run & Test Generator.
Fuel Tanks	
Generic	100% 2-4 \$5,700 2045 ** Other Observation, Extent: Moderate, Area Affected: 50% Location: Sw Corner Explanation: Generator Fuel Tank Shows Moderate Surface Rusting.
Houses	
Control House	100% Now \$27,100 2040 ** Other Observation, Extent: Light, Area Affected: 5% Location: Control And Tenders House
	Explanation: There Are Some Window And Roof Leaks. Some Locks Need Repair.
HVAC	100% Now \$8,200 2028 ** Other Observation, Extent: Light, Area Affected: 20% Location: Control House
	Explanation: Reported Heat And Ac Operation Is Poor.
Machinery Room	100% Now \$14,800 2040 ** Other Observation, Extent: Moderate, Area Affected: 10% Location: Machinery Rooms Explanation: Corroded Grating.
Lock Bars	-
With Motor	100% Now \$8,800 2028 ** Other Observation, Extent: Light, Area Affected: 5% Location: Lock Bars On Pier Explanation: Some Corrosion, Torn Protective Cover
Without Motor	100% Now \$22,100 2028 ** Other Observation, Extent: Moderate, Area Affected: 5% Location: Jaw And Pin Locks
	Explanation: Automatic Engagement Not Functioning. Needs To Be Manually Engaged. Some Corrosion. Some Repairs Required
Main Drive System Generic	100% Now \$361,700 2040 ** Other Observation, Extent: Moderate, Area Affected: 10% Location: South & North Machine Rooms
	Explanation: One Missing Over Speed Switch Chain, Corrosion And Lubricant Leakage. Some Broken Gauges. Misaligned Couplings

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

^{**} 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 Mechanical	Current Repair	Future Replacement	Maintenance
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs) Priority
Bascule			
Rack			
Generic	100% Now \$6,800	2040 **	
	Other Observation, Extent : Light, Are	a Affected : 1%	
	Location: Southeast Rack		
	Explanation: One Missing Or Broke	n Mounting Bolt Noted	
Structural Bearings			
Generic	100% Now \$27,300	2028 * *	
	Other Observation, Extent: Moderate,	Area Affected : 10%	
	Location : Forward Live Load Beari	ngs	
	Explanation : Corrosion On Some O	f The Anchor Bolts.	
Track			
Generic	100% 4+ \$22,800	2040 * *	
	Other Observation, Extent: Light, Are	a Affected : 5%	
	Location: Tracks		
	Explanation: Corrosion And Paint I	Failure On Some Bolts.	
Traffic Devices			
Barrier Gate	100% Now \$199,500	2028 * *	
	Other Observation, Extent: Severe, Ar	ea Affected : 20%	
	Location: Barrier Gates		
	Explanation : Adjustments Required. Hardware. Two Arms Are Cracked A		tion, Missing Or Broken
Warning Gate	100% Now \$74,300	2028 **	
	Other Observation, Extent : Moderate,		
	Location: Warning Gates	00	
	Explanation : Some Gate Heights Ne Missing Hardware And Cover For O	-	hor Bolt On The Sw.

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

Area Sq Ft : 214,183 Project Type : WATERWAY BRIDGES

Date of Survey : 22-Apr-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240639

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$4,175,700	\$2,355,800
Bridge Electrical	\$81,100	\$280,400
Bridge Mechanical	\$1,187,300	
Total	\$5,444,200	\$2,636,200
Importance Code A	\$945,000	\$1,135,600
Importance Code B	\$4,130,100	\$1,500,700
Importance Code C	\$369,100	
Total	\$5,444,200	\$2,636,200

Total	\$146,200	\$24,400	\$395,100	\$24,400
Importance Code C	\$34,500		\$20,500	
Importance Code B	\$111,600	\$24,400	\$263,500	\$24,400
Importance Code A			\$111,000	
Total	\$146,200	\$24,400	\$395,100	\$24,400
Bridge Mechanical	\$66,000		\$116,700	
Bridge Electrical	\$27,700	\$24,400	\$24,400	\$24,400
Bridge Structure	\$52,500		\$253,900	
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020



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

		ASSEL # . Z470								
Bridge Structure		Current	Repair	e Replacement	ment Maintenance					
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%									
			Extent : Light, Area		!: 0%					
		_	ig And End Abutme							
-	Explana	tion : Encl	osed Cell And Acce	ess Door	Is Locked.					
Backwall	1000/									
Not Accessible	100%			4 CC						
			Extent : Light, Area		2:0%					
		_	ng And End Abutme							
Dance Anna Dita Dada	Explana	ition : Encl	osed Cell And Acce	ess Door	Is Lоскеа.					
Brngs,Ancr Blts,Pads Not Accessible	100%									
Not Accessible			Extent : Light, Area	Affactad	1 . 00%					
			xieni . Ligni, Area ig And End Abutme		. 0/0					
		_	osed Cell And Acce		Is Locked					
Footings	Елрини	mon . Enci	osea Cen Ima Ince	33 2001	13 Доскей.					
Not Accessible	100%)								
Joint with Deck	10070	•								
Composite	50%)		LIFE	* *					
Composite	50%		\$10,700	LIFE	* *					
1			re, Area Affected :							
			ig And End Abutme							
			oderate, Area Affec		6					
	Locatio	n : Beginnii	ng And End Abutme	ents						
Mat (scour & erosion)										
Not Accessible	100%)								
Pedestals										
Not Accessible	100%)								
	Other Ob	servation, E	Extent : Light, Area	Affected	!: 0%					
	Location	n : Beginnii	ig And End Abutme	ents						
	Explana	ation : Encl	osed Cell And Acce	ess Door	Is Locked.					
Stem (breastwall)										
Not Accessible	100%									
			Extent : Light, Area		! : 0%					
		_	ng And End Abutme							
	Explana	ition : Encl	osed Cell And Acce	ess Door	Is Locked.					
Wingwalls										
Footings	1,000/									
Not Accessible	100%)								
Piles Not Accessible	100%									
	100%)								
Walls Concrete	95%			LIFE	* *					
Concrete	93% 5%		\$185,000	LIFE	* *					
Concrete			\$185,000 t, Area Affected : I							
		n : End Abu								
Feature Crossed										

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.

Asset #: 2476

Bridge Structure	Current Repair Future Replacement Maintenance							
System Component Type	% of Fail Date E Total (Years)	stimated Cost	Year l	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Feature Crossed								
Bank Protection	1000/		TIPE	* *				
Concrete	100%		LIFE					
	Other Observation, Exte Location : Under Span		Ајјестеа :	10%				
	Explanation : Concrete		ocated At	The Bridge Site				
Timber	100%	e i rotection is L	2034	**				
Mat (scour & erosion)	10070		203 .					
Not Accessible	100%							
Pier Protection	50/ Na	\$9 3 6 900	LIDE	* *				
Timber	5% Now Broken/Missing Element	\$826,800	LIFE					
	Location : Bascule Pie		re, Area A	ijeciea . 2570				
	Other Observation, Exte		a Affected	. 25%				
	Location : Bascule Pie		a rijjecica	. 2370				
	Explanation : West Sid		n Clusters	At 2 Locations H	lave Beer	n Hit And Are		
	Leaning.							
Timber	95% 4+	\$1,570,900	LIFE	* *				
	Split/Dry/Cracked, Exter	nt : Light, Area A	Affected :	2%				
	Location : Bascule Pie	ers 26 & 27						
Approaches								
Pavement								
Asphalt	100% Now Other Observation, Exte Location : End Approa	ıch		* * ted : 20%	4	\$11,500		
	Explanation : Pavemen	nt Shoving And F						
Concrete	100%		2039	* *	4			
Guide Railing								
Concrete	100%		2039	* *	4	\$4,600		
Pavement Base	400-							
Not Accessible	100%							
Sidewalks	1000/		LIDD	* *				
Concrete	100%		LIFE					
Piers Cap Beam								
Concrete	100%		LIFE	* *				
Steel	100%		LIFE	* *	2-8			
Pier,Columns	10070		Dir D		2 0			
Concrete	50%		LIFE	* *				
Concrete	50% 2-4	\$279,800	LIFE	* *				
23	Cracks, Extent : Modera Location : Piers 18 - 2	ite, Area Affecte	d: 20%					
		Moderate Area	Affected :	25%				
	Delaminations, Extent : Location : Piers 19 - 2		33					
	Location : Piers 19 - 2	4 & 27 - 30						
		4 & 27 - 30 Moderate, Area A						

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

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

Asset #: 2476

Bridge Structure	Current Repair			Futur	re Replacement	Maintenance			
System Component Type	% of I Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
iers									
Stem,Solid Pier									
Concrete	98%			LIFE	**				
Concrete	2%	4+	\$7,300	LIFE	* *				
		_	t, Area Affected : 2	5%					
	Location :			20/					
		_	ht, Area Affected :	2%0					
D. A. Di. D. I	Locanon :	Pier 40 v	Vest Corner						
Brngs, Ancr Blts, Pads	100%			LIFE	* *	2.0	¢40,400		
Steel	100%			LIFE		2-8	\$49,400		
Footings	1000/								
Not Accessible	100%								
Mat (scour & erosion) Not Accessible	1000/								
Pedestals	100%								
	100%			LIFE	* *				
Concrete	100%			LIFE					
eck Elements Guide Railing									
Concrete	100%			2044	* *				
Median	10070			2044					
Concrete	100%			LIFE	* *	5	\$75,600		
Railings/Parapets	10070						\$75,000		
Steel	100%			LIFE	* *	2-8	\$8,000		
Sidewalks	10070			LII L		2 0	ψ0,000		
Concrete	100%			2034	* *	5	\$41,100		
Wearing Surface	10070						Ψ.1,100		
Concrete	100%	Now	\$900	2039	* *	5	\$3,000		
			, Extent : Severe, A		cted : 5%	-	7-,000		
		_	, 31, 32, & 33 East						
uperstructure		<u>-</u>			-				
Deck,Structural									
Concrete	100%	4+	\$712,500	LIFE	* *	5	\$5,900		
	Cracks, Ext	ent : Mod	erate, Area Affecte	d : 75%					
	Location :	Spans 25	& 27						
Grating w/ Concrete	100%			LIFE	* *				
		rvation, E	xtent : Light, Area		! : 2%				
	Location :		J .						
	Explanati	-	Span 26						

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

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

Asset #: 2476

Bridge Structure		Current Repair			e Replacement	M				
System Component Type	% of 1 Total	Fail Date Es (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Superstructure										
Joints										
Composite	85%	4+	\$97,800	LIFE	**	4	\$841,100			
			nt : Moderate, A		cted : 30%					
			15, 18, 19, 20, . eakage Noted B		1fs					
Composite		Now	\$86,300	LIFE	* *	4	\$841,100			
Composite			rate, Area Affec		0/0	4	\$041,100			
), 33, 39, 40 & 4		70					
			nt : Severe, Are		d : 100%					
), 33, 39, 40 & 4							
	Explanati	on : Torn &	Cracked Sealer							
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			
	Other Observation, Extent : Moderate, Area Affected : 2% Location : Span 30									
		•	. 14: .	10616	D:					
M	Explanati	on: Cross Bi	racing Missing	4 Of 4 Ca	onnection Rivets.					
Movable Bridges Bascule Span										
Steel	90%			LIFE	* *					
Steel	10%	4+	\$159,500	LIFE	* *					
Steel			nt : Moderate, 1		cted : 5%					
		: Piers 25 & .		33						
	Explanati	on : Steel To	wers Exhibit Co	rrosion.						
Bascule Span Pier	<u> </u>									
Concrete	90%			LIFE	* *					
Concrete	10%	0-2	\$73,000	LIFE	* *					
			nt : Moderate, 1	Area Affe	cted : 5%					
		: Bascule Pie								
	Explanati	on : Median	Stringers 6 & 7	Pedestal	Exhibit Spalls Wi	th Expose	ed Anchor Bolts.			

Bridge Electrical		Current Repair		Futur	e Replacement	Maintenance			
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

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2476

Component Type	Bridge Electrical	Current Repair			Futur	re Replacement	Maintenance		
Control Console Stainless Steel 100% Now \$39,800 LIFE * * * Broken/Missing Elements, Extent: Moderate, Area Affected: 15% Location: Control Desk Span Position Meters Not Functioning	Component Type			Estimated Cost		Estimated Cost		Estimated Cost	Priority
Stainless Steel	Control System Electrical								
Broken/Missing Elements, Extent : Moderate, Area Affected : 15% Location : Control Desk Span Position Meters Not Functioning		100%	Now	\$30.800	LIEE	* *			
Location : Control Desk Span Position Meters Not Functioning Relay Relay 20% 2037 **	Stanness Steel								
Relay Relay 80% 20% 2037 20% 37 ** Relay Relay 20% 20% 2037 ** Relay 80% 2037 ** Relay 80% 2037 ** Relay 80% 2037 ** 1 \$49,400 Discomments witch Non Fused 100% 2037 2037 ** 1 \$49,400 Lighting Contactor Lighting Fixture Relay 100% 2031 2017 1 \$13,500 CAM 67% 2017 1 \$13,500 \$53,000 \$500 \$2022 1 \$53,900 \$500			-						
Relay 20% 2037 ** Disconnect Switch Non Fused 100% 2037 ** 1 \$49,400 Limit Switch 2017 1 \$13,500 CAM 67% 2017 1 \$13,500 CAM 33% 2022 1 \$53,900 Lever 75% 2019 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 2034 ** 1 \$2,300 Span Lock Motor 2034 ** 1 \$2,300 Electrical Power MCC 2022 ** \$2,300 MOC Catactors 75% 2022 ** \$4,500 PanelBoard Circuit Protector 100% 2022 \$18,200 1 \$4,500 Service Equipment Fuse of the part o	Control Devices								
Disconnect Switch Non Fused 100% 2037 ** 1 \$49,400	Relay	80%				* *			
Non Fused 100% 2037 ** 1 \$49,400	Relay	20%			2037	* *			
Limit Switch									
CAM		100%			2037	* *	1	\$49,400	
CAM 33% 2022									
Lever 75% 2022 1 \$53,900 Lever 25% 2019 1 \$53,900 Drive							1		
Lever 25% 2019							1		
Drive Machinery Brake Thruster 100% 2034 ** 1 \$2,300							1		
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 ** 1 \$2,300 Electrical Power MCC Starter 100% 2022 ** 1 \$2,300 Contactors 75% 2022 ** 2 ** 2 ** 2 ** 2 ** 4,500 ** 4,500 ** 4,500 ** 4,500 ** 4,500 ** 4,500 ** 1 \$13,500 ** 1		25%			2019		1	\$53,900	
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 ** Auto 100% 2029 ** Exterior Lighting Lighting Contactor Generic 100% 2037 ** 1 \$5,600 Lighting Fixture HID 100% 2022 \$18,200 1 \$1,500 Condid Bus 100% 2025 1 \$1,500 Condid Bus 100% 20		1,000/			2024	* *	1	¢2 200	
Thruster 100% 2034 ** 1 \$2,300 Span Lock Motor Generic 100% 2034 ** 1 \$2,300 Electrical Power		100%			2034	at at	1	\$2,300	
Span Lock Motor Generic 100% 2034 ** 1 \$2,300		1,000/			2024	* *	1	¢2 200	
Generic 100% 2034 ** 1 \$2,300		100%			2034	-11-	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	-	1000/			2024	* *	1	\$2.200	
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 * 1 \$5,600 Pole Aluminum 100% 2025 * * 1 \$5,600 Ground/Lightning Protection Ground/Lightning Protection Ground/Lightning Protection * * * *		100%			2034		1	\$2,300	
Starter 100% 2022									
Contactors 75% 2022		100%			2022				
Contactors 25% 2037 * * * Motor Circuit Protector 100% 2022 \$18,200 1 \$4,500 PanelBoard									
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 ** 1 \$5,600 Pole Aluminum 100% 2025 **						* *			
PanelBoard Circuit Breaker 100% 2029 ** 1 \$13,500 Service Equipment						\$18 200	1	\$4 500	
Circuit Breaker 100% 2029 ** 1 \$13,500 Service Equipment Fused Disc Switch 100% 2029 ** Exterior 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/Lightning Protection Ground Bus		10070			2022	Ψ10,200		Ψ1,500	
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		100%			2029	* *	1	\$13,500	
Fused Disc Switch 100% 2029 ** Transfer Switch 3029 ** Auto 100% 2029 ** Exterior Lighting Lighting Contactor 3037 ** 1 \$5,600 Lighting Fixture HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus		10070			2027			Ψ13,500	
Transfer Switch Auto 100% 2029 * * Exterior Lighting Lighting Contactor \$5,600 Generic 100% 2037 * * 1 \$5,600 Lighting Fixture HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus		100%			2029	* *			
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									
Exterior Lighting Lighting Contactor Generic 100% 2037 ** 1 \$5,600 Lighting Fixture HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus		100%			2029	* *			
Lighting Contactor Generic 100% 2037 ** 1 \$5,600 Lighting Fixture HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus									
Generic 100% 2037 ** 1 \$5,600 Lighting Fixture HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus Ground/Lightning Protection Total Control of the state of the									
HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus		100%			2037	* *	1	\$5,600	
HID 100% 2022 Pole Aluminum 100% 2025 Ground/Lightning Protection Ground Bus	Lighting Fixture								
Aluminum 100% 2025 Ground/Lightning Protection Ground Bus		100%			2022				
Ground/Lightning Protection Ground Bus	Pole								
Ground Bus	Aluminum	100%			2025				
Ground Bus									
Not Accessible 100%		100%							
Ground Rod							_		
Not Accessible 100%	Not Accessible	100%							

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2476

Bridge Electrical	Current Repair			Futur	e Replacement	Maintenance		
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	1000/			2025	Ф2 200		фо ооо	
Fluorescent	100%	4.	¢1.600	2025	\$3,200	1	\$9,000	
HID	100%	4+	\$1,600	2025	\$3,200			
		_	nents, Extent : Mod					
			Locations Through		=			
			Extent : Moderate, A					
			Locations Through		_			
		tion : Servi	ce Lighting Fixture					
Incandescent	100%	4+	\$1,600	2022	\$3,200			
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	cted : 50%			
	Location	i : Random	Locations Through	nout				
	Explana	tion : Servi	ce Lighting Fixture	es Not We	orking			
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	10070							
Cloth	100%			2023	\$177,100			
Thermoplastic	100%			2037	**			
Span Lock	100/0			2031				
Motor								
Squirrel Cage	100%			2027	* *			
Traffic System Electrical	100%			2027	•			
Barrier Gate Lighting								
Incandescent	100%			2022		1	\$1,100	
	100%			2022		1	\$1,100	
Traffic Gate Lighting Incandescent	100%			2022		1	¢1 100	
	100%			2022		1	\$1,100	
Traffic Gong	1000/			2022		1	\$	
Generic	100%			2022		1	\$600	
Traffic Sign	1005			2022				
Fixed	100%			2022				
T . 1								

Lighting

Maintenance \$ are aggregated over a ten-year period. Site 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			Futur	e Replacement	M		
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

ridge Mechanical	Current Repair Future Replacement Maintenance
estem Component Type	% of Fail Date Estimated Cost Total (Years) Year Estimated Cost (Yrs) Priori
scule	
Counter Weight	
Generic	100% Now \$108,100 2039 ** 2 \$71,800
	Other Observation, Extent: Light, Area Affected: 5%
	Location: Counterweights
Emaganari Deiria	Explanation : Some Open Pockets
Emergency Drive Emergency Power	100% Now \$113,900 2039 ** 2 \$143,700
Emergency rower	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
G . 177	Explanation: Some Grating, Hatches, Safety Chains And Doors Need Repair.
Control House	100% 100w \$33,300 2033
	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 **
machinery Room	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.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2476

Cost Priority
,500
ts
t One
•

^{**} 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 MADISON AVE. BRIDGE OVER E 138TH STREET

Address : HARLEM RIVER, HARLEM RIV DR.

Borough : MANHATTAN Agency's Number : N/A

Area Sq Ft : 22,600 Project Type : WATERWAY BRIDGES

Date of Survey : 11-Jul-2011 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 224007A

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$623,900	\$900,300
Total	\$623,900	\$900,300
Importance Code A	\$566,200	\$340,500
Importance Code B		\$214,800
Importance Code C	\$57,600	\$345,000
Total	\$623,900	\$900,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$45,200	\$2,800	\$51,400	
Total	\$45,200	\$2,800	\$51,400	
Importance Code A			\$29,800	
Importance Code B	\$5,000		\$21,500	
Importance Code C	\$40,200	\$2,800		
Total	\$45,200	\$2,800	\$51,400	



Maintenance \$ are aggregated over a ten-year period. Site 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 F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments								
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%							
Walls								
Concrete		4+ ctent : Light : Random	\$513,000 t, Area Affected : 5	LIFE	* *			
			1 . A ACC . 1	20/				
			ht, Area Affected :		wast Wall At Dian			
		-	th Exposed Rebar A					
		ervanon, E. : Both Fas	xtent : Light, Area	Ајјестеа	. 100%			
			ciae lar Abutment Wall					
Wingwalls	Ехрини	ion . Ceiiui	iai Abaimeni waii					
Footings								
Not Accessible	100%							
Mat (scour & erosion)	10070							
Earth	100%			LIFE	* *			
Piles	10070							
Not Accessible	100%							
Walls								
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$57,600	LIFE	* *			
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			t, Area Affected : 5					
		: Random						
	Spalling, E	Extent : Ligi	ht, Area Affected :	5%				
					east Wingwall At I	Pier Join	t And Along	
		st Wingwall						
Approaches		<u> </u>						
Pavement								
Concrete	100%			2032	* *	4		
			xtent : Light, Area					
			f Concrete Approa					
	Explana	tion : Aspha	alt Expansion Join	t Between	n Rigid Pavement 1	And App	roach Slab	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

ridge Structure		Current F	Repair	Futur	e Replacement	М	aintenance	
ystem Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
pproaches								
Guide Railing								
Steel	100%			LIFE	* *	2-8		
			xtent : Light, Area	Affected	: 100%			
			Concrete Barrier					
	Explanatio	n : Steel	Railing					
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	100%			LIFE	* *			
ers								
Cap Beam	4.0.0					• •	4.00 5 .00	
Steel	100%			LIFE	* *	2-8	\$180,200	
Pier,Columns					_	_		
Concrete Encased Steel	95%			LIFE	* *	5	\$1,400	
			xtent : Light, Area	Affected	: 10%			
	Location:							
			Leaking And Wate					
Concrete Encased Steel		4+		LIFE	* *	5	\$1,400	
			ht, Area Affected :					
		Corrosio	n To Steel Protecti	ve Angle	s And Delaminatio	on / Spall	Of Concrete	
Ct C . 1' 1 D'	Cover							
Stem,Solid Pier Concrete	0.50/			LIFE	* *			
Concrete	95% 5%	4+	\$4,900	LIFE	* *			
Concrete			54,900 ht, Area Affected :					
	Location:	_		10/0				
Dance Amer Dite De de	Locuiton .	Doin Liu	is Ai I tel 5					
Brngs, Ancr Blts, Pads	100%			2043	* *			
Elastomeric	100%			2043				
Footings Not Accessible	1.000/							
	100%							
Mat (scour & erosion)	1000/			LIDD	* *			
Earth Dadastala	100%			LIFE	* *			
Pedestals	1000/			LIDD	* *			
Concrete	100%			LIFE	* *			
eck Elements								
Gratings Steel	100%			LIFE	* *			
	100%			LIFE				
Guide Railing	1000/			2026	* *			
Concrete	100%			2036				
Median	1000/			LIDD	* *	£	¢2 500	
Concrete Mana Darla Sanfara	100%			LIFE		5	\$3,500	
Mono Deck Surface	1000/	4 +	¢11 000	2042	* *	£	¢57.700	
Concrete	100%	4+	\$11,000	2043	* *	5	\$57,700	
	Location:	_	t, Area Affected : 2 d Abutment	70				
	Location :	ivear En	ı Avuiment					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 R	Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of 1 Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements								
Railings/Parapets								
Steel	100%			LIFE	* *	2-8	\$13,200	
			xtent : Light, Area	Affected	! : 100%			
	Location .	_						
	Explanati	on : Railin	gs Are On Both Si	des Of B	ridge			
Sidewalks	1000/			2020	de de	_	Φ .	
Concrete	100%			2028	* *	5	\$5,600	
Wearing Surface	1000/	4	Φ 2 0. 7 00	2024	Ф 2 0 7 400	-	Φ1.4.c00	
Asphalt	100%	4+	\$28,700	2024	\$287,400	5	\$14,600	
			erate, Area Affecte	a : 25%				
	Location .			A CC	1 500/			
			xtent : Light, Area	Affectea	2:30%			
		Southbou		0 0	C' 1 OCTI I	0.1		
g	Explanati	on : Aspna	ut wearing Surfac	e On On	e Side Of The Lane	Only		
Superstructure Deck,Structural								
Concrete	90%			LIFE	* *	5	\$23,900	
Concrete	10%	4+	\$53,200	LIFE	* *	5 5	\$23,900	
Concrete			\$35,200 evere, Area Affecte			3	\$23,900	
			rms Under East Ar		Fascia Girders			
Joints	Location .	5.1.1 . 1 0	ims Onder Edsi III	ia wesi i	a ascia Giraers			
Generic	95%			LIFE	* *			
Generic	5%	4+	\$500	LIFE	* *			
Generic	- / -		xtent : Moderate, A		ected · 20%			
	Location .		vieni : moderaic, i	170011990	2070			
			Filler Is Depressed	1				
Primary Member	2p content		15 25 cp. cosec	-				
Steel	100%			LIFE	* *	2-8	\$401,200	
Secondary Member	100/0						¥.01,200	
Steel	100%			LIFE	* *	2-8	\$336,100	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 : 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026	
Bridge Structure	\$488,800	\$5,807,600	
Total	\$488,800	\$5,807,600	
Importance Code A	\$267,300	\$393,400	
Importance Code B	\$86,600	\$322,600	
Importance Code C	\$134,900	\$5,091,600	
Total	\$488,800	\$5,807,600	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$225,900		\$69,200	
Total	\$225,900		\$69,200	
Importance Code A	\$57,700		\$36,900	
Importance Code B	\$21,700		\$32,300	
Importance Code C	\$146,500			
Total	\$225,900		\$69,200	



Maintenance \$ are aggregated over a ten-year period. Site 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 Replac	ement	М	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimat FY	ed 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 \$21,7		* *			
	Other Observation, Extent : Light,	Area Affected : 40%				
	Location: Both Abutments					
	Explanation : Missing/ Damaged	! Seal				
Mat (scour & erosion)						
Riprap	100%	LIFE	* *			
	Other Observation, Extent: Light,	Area Affected : 100%				
	Location: Both Abutments					
D 1 1	Explanation: Riprap With Stone	S				
Pedestals Concrete	100%	LIFE	* *			
Stem (breastwall)	10070	LIFE				
Concrete	100%	LIFE	* *			
Wingwalls	10070	Lift				
Footings						
Not Accessible	100%					
Mat (scour & erosion)						
Earth	100% 4+ \$10,3	300 LIFE	* *			
	Erosion, Extent : Moderate, Area	Affected : 100%				
	Location: Begin Abutment West	Side				
Walls						
Concrete	7% 4+ \$22,1	100 LIFE	* *			
	Cracks, Extent : Light, Area Affect	ed : 5%				
	Location: Random Locations Th	roughout				
	Efflorescence, Extent : Light, Area					
	Location : Random Locations Th	roughout Both Abutmer	ıts			
Concrete	93%	LIFE	* *			
Feature Crossed						
Bank Protection						
Riprap	100%	LIFE	* *			
Mat (scour & erosion)						
Generic	100%	LIFE	* *			
Approaches					<u> </u>	

Approaches

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches								
Pavement	1000/			2025	Φ4.000. 7 00	4	Φ1 7 0. 7 00	
Asphalt	100%		¢27.200	2025	\$4,998,500 * *	4	\$178,700	
Concrete	100%		\$27,300 at, Area Affected : 5	2033	ar ar	4	\$32,100	
			a, Area Ajjeciea d Approaches	0/0				
			ght, Area Affected :	5%				
			d Approaches	-, -				
Curbs			11					
Concrete w/ Steel Face	Location	t, Extent : N n : Both Ap	\$267,300 Moderate, Area Aff proaches ht, Area Affected :		**			
		ı : Both Ap		2,0				
Embankment		1.	<u>- </u>					
Earth	100%			LIFE	* *			
Guide Railing								
Steel	100%			LIFE	* *	2-8	\$146,200	
Mat (scour & erosion)	400-							
Earth	100%			LIFE	* *			
Sidewalks	5 0/	4	Ф42.000	LIEE	* *			
Concrete		xtent : Ligh	\$43,000 at, Area Affected : 5 Locations Through		* *			
			Extent : Moderate,		cted : 5%			
	Location	ı : East And	d West Approach					
Concrete	95%			LIFE	* *			
Piers								
Stem,Solid Pier								
Concrete	Location	xtent : Ligh n : South Ap	-		* *			
	Location	n : At Fasci	Light, Area Affecte a And Centerline ht, Area Affected :					
		_	ace Of Pier 1	370				
			Extent : Light, Area	Affected	: 2%			
	Location	n : South A _l tion : Bird	oproach					
Brngs,Ancr Blts,Pads	Влриана	non . Bira	resung					
Steel		s, Extent :	\$25,200 Light, Area Affecte Locations Through		* *	2-8	\$6,400	
Footings Not Accessible	100%							
Mat (scour & erosion)	1,000/			LIDD	* *	-		·
Riprap	100%			LIFE	<i>ሉ</i>			
Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
iers								
Pedestals	1000/			TTEE	* *			
Concrete	100%			LIFE	* *			
Piles	1000/							
Not Accessible	100%							
eck Elements Curbs								
Concrete w/ Steel Face			\$17,500 ht, Area Affected : Locations Through		* *			
Median								
Concrete	Location Settlemen	n : Random t, Extent : N	\$9,700 nt, Area Affected : 5 Locations Through Moderate, Area Affa nd South End	nout	**	5	\$3,400	
Railings/Parapets								
Concrete	Location Other Obs Location	n : Random servation, E n : Through		nout Affected		4	\$800	
C4a -1		uon . Conc	rete Parapet With		**	2.0	¢12.000	
Steel	Location	ı : Through	Extent : Light, Area cout Railing On Top Of		: 5%	2-8	\$12,900	
Sidewalks	- T		g					
Concrete	Location Spalling, I	n : Random Extent : Lig	\$27,100 at, Area Affected : 5 Locations Through tht, Area Affected : Locations Through	nout 5%	**	5	\$6,700	
Wearing Surface								
Concrete	Location Spalling,	n : Random Extent : Lig	\$37,500 at, Area Affected : 2 Locations Through tht, Area Affected : Locations Through	out 20%	**	5	\$93,200	
Scupper								
Ductile Iron	100%			LIFE	* *			
perstructure Deck,Structural Concrete			Extent : Light, Area	LIFE Affected	**	5	\$35,900	
		i : Undersio tion : Unde	de erside Not Accessib	le				

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 Ro	epair	Futur	e Replacement	M	aintenance	
system Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
uperstructure							
Joints							
Composite	100% 2-4	\$54,400	LIFE	* *	4	\$185,500	
	Other Observation, Ex	tent : Moderate, A	rea Affe	cted : 50%			
	Location: Throughout	ut					
	Explanation: Missin	g/ Damaged Seal					
Primary Member							
Steel	100%		LIFE	* *	2-8	\$602,500	
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$504,700	
	Other Observation, Ex	tent : Light, Area	Affected	: 100%			
	Location : Underside						
	Explanation : Under	side Not Accessibl	e				

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$2,304,700	\$1,396,200
Total	\$2,304,700	\$1,396,200
Importance Code A	\$994,100	\$115,600
Importance Code B	\$280,600	
Importance Code C	\$1,030,000	\$1,280,700
Total	\$2,304,700	\$1,396,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$23,200		\$12,900	\$3,600
Total	\$23,200		\$12,900	\$3,600
Importance Code A	\$8,200		\$12,900	\$1,300
Importance Code C	\$15,000			\$2,300
Total	\$23,200		\$12,900	\$3,600



^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2478

Bridge Structure		Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments								
Bridge Seat&pedestals								
Concrete	100%	_		LIFE	* *			
			Extent : Light, Area	Affected	: 100%			
	Location:							
	Explanation	on: End A	Abutment					
Not Accessible	100%			A CC . 1				
		vation, E	xtent : Light, Area	Affected	: 0%			
	Location :	Daniu	Abutuant					
Backwall	Explanatio	on : Begin	<i>A</i> Ариттепт					
Concrete	100%			LIFE	* *			
Concrete		vation E	Extent : Light, Area		: 100%			
	Location :			11,500,000	. 10070			
	Explanatio							
Not Accessible	100%							
110t / Iccessione		vation. E	Extent : Light, Area	Affected	: 0%			
	Location :		_	55				
	Explanatio	_						
Brngs,Ancr Blts,Pads	•							
Elastomeric	50%			2043	* *			
Elastomeric	50%	4+	\$41,600	2043	* *			
	Rust Stains,	Extent : I	Moderate, Area Afj	ected : 2	5%			
	Location :	Abutmen	t At Island Side					
Not Accessible	100%							
	Other Obser	vation, E	xtent : Light, Area	Affected	: 0%			
	Location:	Begin Ab	putment					
	Explanatio	on : Begin	Abutment					
Footings								
Not Accessible	100%							
Joint with Deck	400							
Generic	100%			LIFE	* *			
Mat (scour & erosion)	1000/			LIDE	* *			
Earth	100%			LIFE	4. 4.			
Pedestals	1000/			LIEE	* *			
Concrete	100%			LIFE				
Stem (breastwall) Concrete	100%	4+	\$280,600	LIFE	* *			
Concrete			erate, Area Affecte					
			t At Island Side	u . 2070				
			Moderate, Area Afj	ected : 2	0%			
			t At Island Side	2	-			
Wingwalls								
Footings								
Not Accessible	100%							
Mat (scour & erosion)								
Earth	100%			LIFE	* *			

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2478

Bridge Structure	Current Repair Future Replaceme		e Replacement	cement Maintenance				
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vingwalls								
Piles								
Not Accessible	100%							
Walls								
Concrete	80%			LIFE	* *			
Concrete	20%	4+	\$128,700	LIFE	* *			
			t, Area Affected : 2	5%				
	Location	: Random						
Seature 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	
		_	t, Area Affected : 5	%				
		: Random						
	-	_	ht, Area Affected :					
	Location	: Pothole	At Interface Of Beg	in Abutn	nent			
Curbs								
Concrete w/ Steel Face	95%			LIFE	* *			
Concrete w/ Steel Face	5%	4+	\$500	LIFE	* *			
			ight, Area Affected	: 5%				
	Location	: Through	out					
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	
			ight, Area Affected	: 10%				
	Location	: Random						
Pavement Base								
Not Accessible	100%							
Sidewalks								
Concrete	90%			LIFE	* *			
Concrete	10%	4+	\$700	LIFE	* *			
			ht, Area Affected :	10%				
		: At Top S						
			Extent : Light, Area	Affected	1:2%			
		: South E						
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 2%			
	Location	: East Sid	ewalk					
	Explana	tion : Wate	r Main Utility					

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2478

Bridge Structure	Current Repair	Future Replacem	ent	Maintenance				
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	_	ycle Estimated Cost Yrs)	Priority			
iers								
Cap Beam								
Concrete	100% Other Observation, Extent: Light, Area Location: Throughout Explanation: Spans Are Over Water.		* * u Is Based	On Nysdot Inspection				
Pier, Columns								
Concrete	100% Other Observation, Extent : Light, Area Location : Throughout		* *					
	Explanation : Spans Are Over Water. Observation And Nysdot Inspection	No Access. Condition	Is Based	On Limited Visual				
Stem,Solid Pier	-							
Concrete	67% Other Observation, Extent: Light, Area Location: Pier 22 And 23	••	* *					
	Explanation : Spans Are Over Water. Observation And Nysdot Inspection	No Access. Condition	Is Based	On Limited Visual				
Concrete	33% Cracks, Extent: Light, Area Affected: Location: Pier 55	LIFE 10%	* *					
	Recent Repair Evident, Extent : Light, Location : Pier 55							
	Rust Stains, Extent : Light, Area Affected : 10% Location : Pier 55							
	Other Observation, Extent : Light, Area Location : Pier 55	a Affected : 10%						
	Explanation : Cracks Have Been Rep	aired By Injection						
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings	10070							
Not Accessible	100%							
Pedestals								
Not Accessible	100%							
eck Elements								
Guide Railing								
Steel	80%	LIFE	* *					
Steel	20% 4+ \$344,300 Rust Stains, Extent : Moderate, Area Aj Location : Random	LIFE ffected : 15%	* *					
Railings/Parapets								
Steel Steel	70% 30% 4+ \$608,200 Corrosion, Extent : Moderate, Area Afj	LIFE LIFE Tected : 25%		\$175,900 -8 \$175,900				
	Location: Various Locations							

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2478

Bridge Structure	Currer	nt Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Sidewalks							
Concrete	90%		2028	* *	5	\$81,200	
Concrete	10% 4+	\$123,500	2028	* *	5	\$40,600	
		Moderate, Area Affect	ted : 25%	ó			
	Location : Vario	us Locations					
Wearing Surface							
Concrete	90%		2032	* *	5	\$840,900	
Concrete	10% 4+	\$316,700	2032	* *	5	\$420,500	
		oderate, Area Affecte					
	Location: Trans	verse And Map Crack	ing Thro	oughout			
	Spalling, Extent : I	Light, Area Affected :	2%				
	Location: Rando	om And At Deck Joint	S				
Superstructure							
Deck,Structural							
Not Accessible	100%						
Joints							
Generic	100%		LIFE	* *			
Primary Member							
Not Accessible	100%						
	Other Observation	, Extent : Light, Area	Affected	: 0%			
	Location:						
	•	ly Spans 54 And 55 V ength Cover Plates No		erved From The U	nderside.	Fatigue Prone	
Secondary Member							
Not Accessible	100%						
	Other Observation	, Extent : Light, Area	Affected	: 0%			
	Location:						
	Explanation : On	aly spans 54 and 55 w	ere obse	rved from the unde	erside.		

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$6,099,800	\$3,590,500
Total	\$6,099,800	\$3,590,500
Importance Code A	\$667,300	\$1,857,000
Importance Code B	\$3,038,500	\$984,100
Importance Code C	\$2,394,000	\$749,400
Total	\$6,099,800	\$3,590,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$122,900		\$266,800	
Total	\$122,900		\$266,800	
Importance Code A	\$76,600		\$168,100	
Importance Code B	\$16,000		\$98,700	
Importance Code C	\$30,300			
Total	\$122,900		\$266,800	



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2573

Bridge Structure	Current l	Repair	Futur	e Replacement	M	aintenance	
System		Estimated Cost		Estimated Cost		Estimated Cost	Priority
Component	Total (Years)	Estimated Cost	FY	Estimated Cost	(Yrs)	Estimated Cost	litiority
Type							
Abutments Bridge Seat&pedestals							
Concrete	100% 4+	\$8,300	LIFE	* *			
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Efflorescence, Extent			6			
	Location : Random	-					
	Spalling, Extent : Mo	oderate, Area Affect	ted : 10%	i			
	Location : East Abi	utment North Side					
	Other Observation, E		Affected	: 50%			
	Location: West Ab						
	Explanation : Area	Fenced Off By M.	T. A. Ana	Other Private Pro	operties		
Backwall	1000/ 4	¢1.4.400	LIDE	* *			
Concrete	100% 4+ Cracks, Extent : Ligh	\$14,400	LIFE	* *			
	Location : East Abi		0/0				
	Other Observation, E		Affected	. 50%			
	Location : West Ab		rijjeereu	. 5070			
	Explanation : Area	Fenced Off By M.	T. A. And	Other Private Pro	operties		
Brngs,Ancr Blts,Pads		33 2			1		
Steel	95%		LIFE	* *			
Steel	5% 2-4	\$4,400	LIFE	* *			
	Corrosion, Extent : L		! : 10%				
	Location : East Abi	ıtment					
Footings	1000/						
Not Accessible	100%						
Joint with Deck	100% 4+	\$16,000	LIEE	* *			
Generic	Broken/Missing Elen	\$16,000	LIFE				
	Location : At Begin		eraie, 717	eu Agjecieu . 5070			
	Leakage, Extent : Mo		ted : 25%	ó			
	Location : Through						
	Loose Elements, Exte		fected : 1	5%			
	Location : Joint Wi						
	Misaligned/Bulging,	Extent : Moderate,	Area Aff	ected : 10%			
	Location : End Abu	tment					
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Stem (breastwall)	1000/ 4	ΦΩ 7 4ΩΩ	LIEE	* *			
Concrete	100% 4+	\$85,400	LIFE	* *			
	Cracks, Extent : Ligh Location : Random		770				
	Leakage, Extent : Lig		10%				
	Location : East Abi		1070				
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
			-				

 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2573

idge Structure		Current l	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ngwalls Piles								
Not Accessible	100%							
Walls	10070							
Concrete	Location Spalling,	xtent : Ligh 1 : Random Extent : Lig	\$112,600 at, Area Affected: A Locations wht, Area Affected: atment Both Wingw	5%	* *			
	Vegetation Location	n Growth, I 1 : East Abi	Extent : Moderate, utment South Wing Extent : Light, Area	Area Affe wall				
			utment Wingwalls	rijjecieu	. 5070			
			Fenced Off By M.	T. A. And	l Other Private Pro	operties		
ature Crossed			2JJ — J 1111			1		
Bank Protection								
Riprap	100%			LIFE	* *			
Mat (scour & erosion)								
Generic	100%			LIFE	* *			
proaches								
Pavement								
Asphalt			ent, Extent : Light, proach	2025 Area Affe	\$199,600 ected : 100%	4	\$8,700	
Asphalt	Location Settlemen	xtent : Mod n : Random t, Extent : N	\$10,000 lerate, Area Affecte Locations Throug. Moderate, Area Aff Locations Throug.	hout East ected : 5%	%	4	\$5,800	
Concrete			\$3,000 oderate, Area Affec oroach	2033 ted : 10%	* *	4	\$5,400	
Curbs		FF						
Concrete	100%			LIFE	* *			
Concrete w/ Steel Face	100% Settlemen	2-4 t, Extent : N	\$12,200 Moderate, Area Affa Proach South Side	LIFE	**			
Embankment								
Not Accessible	100%							
Guide Railing Concrete	100%		Tytont · Liaht A	2033	**	4	\$3,000	
	Location	ı: West Ap	Extent : Light, Area proach (North And e Rail Exists			proach (North Side Only)	
Mat (scour & erosion) Earth	100%			LIFE	* *			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2573

idge Structure	Cu	rrent Re	pair	Futur	e Replacement	M	aintenance	
stem Component Type		Date E ears)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
proaches								
Railings/Parapets	7.50/			LIDE	* *			
Steel	75%	tion Ent	out Light Aug	LIFE				
		est Appro			: 100% ides) And East App	proach (South Side Only)	
Steel	Corrosion, Ext		\$17,800 ht, Area Affected ach, Southeast S		* *			
Sidewalks	Location . El	а Арргос	acn, southeast s	ше				
Concrete	100%	+	\$41,600	LIFE	* *			
Concrete			Area Affected : 5					
			ed Area More Se		West Approach			
			derate, Area Aff					
			ed Area More Se					
rs								
Cap Beam								
Not Accessible	100%							
Pier,Columns								
Steel	Corrosion, Ext Location : Re	ındom Lo			**	2-8	\$427,400	
			Light, Area Aff		∞ Piers 23 S, 24 N An	d 25 S		
Stem,Solid Pier	Locuiton . D	renorale	a Area More Se	vere At I	ters 25 5, 24 IV An	u 23 3		
Concrete	100%	+	\$330,000	LIFE	* *			
Concrete		: Light, A	Area Affected : 5					
	Efflorescence, Location : TI		Light, Area Affed t	cted : 109	%			
	Spalling, Exter Location : Th		Area Affected : t	2%				
	Location : Th	roughou			cted : 20%			
	Explanation	Loose/1	Eroded Joint Mo	rtar				
Brngs,Ancr Blts,Pads Not Accessible	100%							
Footings Not Accessible	100%							
Mat (scour & erosion) Earth	80%			LIFE	* *			
Earth		-4	\$32,800	LIFE	* *			
			ate, Area Affect					
			outheast Face					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2573

Bridge Structure	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
iers							
Pedestals	0.0-1						
Concrete	90%		LIFE	* *			
Concrete	10% 2-4	\$63,200	LIFE	* *			
	Cracks, Extent: Mod		d: 100%				
	Location: Piers 25			0/			
	Spalling, Extent : Mo Location : Piers 23		ea . 100	/0			
	Other Observation, E		Affected	. 50%			
	Location : Piers Fr	_					
	Explanation : Not A		уск Ехрі	essway			
Deck Elements	Explanation . Not F	iccessibie					
Guide Railing							
Concrete	100%		2037	* *			
Railings/Parapets	10070						
Steel	100%		LIFE	* *	2-8	\$14,700	
	Corrosion, Extent : L	ight, Area Affected				, - ·,· · ·	
	Location : Through						
Sidewalks							
Concrete	100% 4+	\$62,600	2029	* *	5	\$23,500	
	Cracks, Extent : Ligh	t, Area Affected : 1	0%				
	Location: Random	Locations Through	iout				
Wearing Surface							
Concrete	70% 4+	\$403,900	2033	* *	5	\$175,200	
	Cracks, Extent : Ligh		0%				
	Location: Random	Locations					
Concrete	30% Now	\$1,731,200	2039	* *	5	\$175,200	
	Cracks, Extent: Ligh		%				
	Location: Random	Locations					
	Exposed Reinforceme		, Area A <u>f</u>	fected : 5%			
	Location : Mid Spa						
	Spalling, Extent : Sev	vere, Area Affected	: 5%				
	Location : Mid Spa	n					
Scupper							
Ductile Iron	100%		LIFE	**			
	Other Observation, E		Affected	: 100%			
	Location: Through		a			<i>a</i> .	
	Explanation : 60 Pe Observed	ercent Trench Drai	nage Sys	tem Used; 10 Perc	ent Light	* Corrosion	
uperstructure							
Deck,Structural	0.50/		TIPE	* *	_	\$02.000	
Concrete	95%	¢175 100	LIFE	* *	5	\$92,900	
Concrete	5% 0-2	\$175,100	LIFE	~ ~	5	\$92,900	
	Cracks, Extent : Ligh Location : Random		70				
	Location : Kanaom Leakage, Extent : Lig		50/				
	-		570				
	Location : Random	Locations					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	M	aintenance			
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year F FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
uperstructure									
Joints									
Generic	100% 0-2	\$42,200	LIFE	* *					
	Joints Missing, Exten	Joints Missing, Extent : Light, Area Affected : 40%							
	Location : Scattere	d Throughout							
	Misaligned/Bulging,	Misaligned/Bulging, Extent: Moderate, Area Affected: 20%							
	Location : Scattere	d Throughout							
	Missing/Damaged Se	Missing/Damaged Seal, Extent: Severe, Area Affected: 40%							
	Location : Through		33						
Primary Member									
Steel	5% 4+	\$492,300	LIFE	* *	2-8	\$1,560,700			
	Corrosion, Extent: Light, Area Affected: 60%								
	Location : Isolated	Locations Below L	eck Joints	And Beams					
Steel	95%		LIFE	* *	2-8	\$1,560,700			
Secondary Member									
Steel	100% 4+	\$1,700,200	LIFE	* *	2-8	\$1,307,400			
	Corrosion, Extent : Light, Area Affected : 15%								
	Location: Random Locations								
	Loss of Section, Extent : Light, Area Affected : 10%								
	Location: Random Locations								

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

Area Sq Ft : 36,543 Project Type : WATERWAY BRIDGES

Date of Survey : 30-May-2014 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 2240640

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$43,800	\$883,400
Bridge Mechanical	\$58,500	
Total	\$102,300	\$883,400
Importance Code A		\$387,200
Importance Code B	\$58,500	\$392,900
Importance Code C	\$43,800	\$103,300
Total	\$102,300	\$883,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$11,100		\$80,100	_
Bridge Electrical	\$300			
Bridge Mechanical	\$149,000			
Total	\$160,400		\$80,100	
Importance Code A			\$40,700	
Importance Code B	\$149,400		\$39,400	
Importance Code C	\$11,100			
Total	\$160,400		\$80,100	



Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2477

Bridge Structure	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Fail Date E Total (Years)	stimated Cost Yea		ated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments								
Bridge Seat&pedestals	400-1		_					
Concrete	100%	LIF	E	* *				
Backwall	400-1		_	als als				
Concrete	100%	LIF		* *				
	Other Observation, Exte	-	ed : 1%					
	Location: End Abutm	•						
D A D1, D 1	Explanation: Backwa	ll Only At End Abutme	ent.					
Brngs, Ancr Blts, Pads	1000/							
Not Accessible	100%							
Footings Not Accessible	1000/							
	100%							
Joint with Deck Generic	100%	LIF	E	* *				
Pedestals	10070	LIF	نا					
Concrete	100%	LIF	E	* *				
Stem (breastwall)	10070	LII	Ľ					
Concrete	100%	LIF	E	* *				
Wingwalls	10070	LII	L					
Footings								
Not Accessible	100%							
Walls	10070							
Concrete	100%	LIF	E	* *				
Comercia	Other Observation, Exte							
	Location : End Approa							
	Explanation : Wingwa		oach Only					
Feature Crossed								
Bank Protection								
Riprap	100%	LIF	E	* *				
Sheet Piling	100%	LIF	E	* *				
Mat (scour & erosion)								
Not Accessible	100%							
Pier Protection								
Timber	100%	LIF	E	* *				
Approaches								
Pavement								
Asphalt	100%	202		* *	4	\$33,200		
	Other Observation, Exte		ed : 1%					
	Location: End Approa							
	Explanation : End App	proach Asphalt.						
Concrete	100%	203	8	* *	4			
	Other Observation, Extent: Light, Area Affected: 1%							
	Location: Begin Appr							
	Explanation: Concret	e Approach Pavement	•					
Curbs								
Steel	100%	LIF	E	* *				
Guide Railing								
Concrete	100%	203	8	* *	4			

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2477

Bridge Structure	Current Repair	Future Rep	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estir	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches						
Sidewalks						
Concrete	100%	LIFE	* *			
Piers						
Cap Beam						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Are	a Affected : 1%				
	Location: Pier 5 Only.					
	Explanation: Pier 5 Concrete Capbe					
Steel	100%	LIFE	* *	2-8	\$59,000	
	Other Observation, Extent: Light, Are	a Affected : 1%				
	Location: Piers 6 & 7 Only.					
	Explanation : Steel Capbeam At Pier	rs 6 & 7 Only.				
Pier, Columns						
Concrete	100%	LIFE	* *			
	Other Observation, Extent: Light, Area	a Affected : 1%				
	Location: Pier 5 Only.					
	Explanation: Concrete Columns					
Steel	100%	LIFE	* *	2-8	\$89,800	
	Other Observation, Extent : Light, Are	a Affected : 1%				
	Location: Piers 6 & 7 Only.					
	Explanation: Steel Columns.					
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	* *			
	Other Observation, Extent : Light, Are	a Affected : 1%				
	Location: Piers 1, 2, 3, 4 & 5.					
	Explanation : Concrete Pedestal					
Steel	100%	LIFE	* *			
	Other Observation, Extent : Light, Area					
	Location: Piers 6 & 7.	33				
	Explanation : Steel Pedestal.					
Deck Elements	T					
Curbs						
Steel	100%	LIFE	* *			
Gratings						
Steel	100%	LIFE	* *			
~	Other Observation, Extent : Light, Area					
	Location : Spans 2, 3 & 4.	33 7 0				
	Explanation: Steel Grating On Sidev	walk.				

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2477

Bridge Structure	Current Repair	Future	Replacement	M		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year 1 FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Guide Railing	100-1					
Steel	100%	LIFE	* *			
Railings/Parapets	100-1		ata ata	• 0	4.0.000	
Steel	100%	LIFE	* *	2-8	\$39,800	
Sidewalks	1000/	2022	ماد ماد	_		
Concrete	100%	2033	* *	5		
	Other Observation, Extent: Light		1%			
	Location: Spans 1, 2, 4 Thru. 8					
	Explanation : Concrete Sidewa					
Steel	100%	2051	* *	2-8		
	Other Observation, Extent : Ligh	t, Area Affected :	1%			
	Location: Span 3					
	Explanation : Steel Plate					
Wearing Surface	1000			_		
Asphalt	100%	2029	**	5		
	Other Observation, Extent : Ligh	t, Area Affected :	1%			
	Location: Spans 1, 5 Thru. 8.					
	Explanation : Asphalt Wearing					
Concrete	100%	2038	* *	5	\$87,600	
	Other Observation, Extent : Ligh	t, Area Affected :	1%			
	Location: Spans 2 & 4.					
	Explanation : Asphalt Wearing	Surface.				
Steel Grating	100%	LIFE	* *	5	\$59,600	
	Other Observation, Extent : Ligh	t, Area Affected :	1%			
	Location: Span 3.					
	Explanation : Steel Grating					
Superstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$16,500	
	Other Observation, Extent : Ligh		1%			
	Location: Spans 1, 2, 4 Thru. 8	8.				
	Explanation : Concrete Deck.					
Steel Grating	100%	LIFE	* *	5		
	Other Observation, Extent : Ligh	t, Area Affected :	1%			
	Location: Span 3.					
	Explanation : Steel Grating De	ck.				
Joints						
Steel Finger Joints	100%	2060	* *			
	Other Observation, Extent : Ligh	t, Area Affected :	1%			
	Location: Pier 3.					
	Explanation : Steel Finger Join					
Generic	100%	LIFE	* *			
Primary Member						
Steel	100%	LIFE	* *	2-8	\$675,600	
Secondary Member						
Steel	100%	LIFE	* *	2-8	\$565,900	

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.

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 2477

Bridge Structure	Current	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Date Total (Years)	e 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		Current	Repair	Futur	e Replacement	М	aintenance	
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			
	Other Obs	servation, E	Extent : Light, Area	Affected	! : 25%			
	Location	: Sw And	Nw Corner					
	Explana	tion : Fully	Seated Switches S	ticking.				
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								

Lighting

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 Electrical	Curre	nt Repair	Futui	re Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Year	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting							
Lighting Devices							
Generic	100%		2030	* *			

idge Mechanical		Current I	Repair	Futu	re Replacement	M	aintenance			
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
rtical Lift										
Buffers										
Generic	100%			2040	* *					
Counter Weight Ropes & Gu	l									
Generic	100%		\$16,600	2065	* *					
			Extent : Light, Area	Affected	! : 2%					
		ı : Guide R								
	Explana Lubrica		ubricant On Some	Rails. Se	ome Rails Are Pair	ited And	Some Have No			
Counter Weight										
Auxiliary CTRWT	100%			2065	* *					
Main CTRWT	100%		\$58,500	2065	* *					
			Extent : Light, Area	Affected	! : 5%					
	Location	ı: Top Of C	Cwts							
	Explana	tion : Pigeo	on Droppings On A	nd Arou	nd Top Of Cwts					
Elevators										
Generic	100%		\$28,100	2040	**					
			Extent : Light, Area	Affectea	t : 10%					
			West Towers	1 51		17 D	. I.T. D			
	•	non : No O atic. Need	peration Was Obse To Test	rvea. Et	evator Operation v	vas k epc	отеа 10 ве			
Emergency Drive										
Emergency Power	100%			2065	* *					
	Other Obs	servation, E	Extent : Light, Area	Affected	! : 2%					
	Location	ı : Machine	ry Rooms							
	Explana	tion : No O	peration Observed	. Actuate	or Trunnion Mount	May Red	quire Adjustment.			
	Need To	Check Mo	unt, Run And Test							
End Locks	400		* 4= 000		de de					
With Motor	100%		\$17,800	2065	**					
			Extent : Moderate, 1	Area Affe	ected: 5%					
	Location : Tower Piers Explanation : West Lock Not Accessible. The East Lock Had Minimal Clearance On The									
	-		Lock Not Accessib And Not Fully Driv		ast Lock Had Mini	mal Cled	arance On The			
Fuel Tanks										
Generic	100%	Now	\$300	2045	* *					
			Extent : Light, Area		! : 2%					
			ık/ Generator Roor							
	-		Harness Is Loose A	At Top O	f Fitting. Some Are	eas Of Ta	nk/ Frame Do Not			
	Bear On	Concrete								

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

ridge Mechanical	Current Ro	epair	Future	Replacement	М	aintenance				
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
rtical Lift										
Houses										
Access Ways	20% Now	\$6,700	2040	* *						
	Other Observation, Ex Location : Access To		Affected .	5%						
	Explanation : Access Needed.	way Hatch To Lo	ck Platfor	m On West Side V	Vould No	ot Open. Repairs				
Access Ways	80% Now	\$26,600	2040	* *						
	Other Observation, Extent : Severe, Area Affected : 10%									
	Location: Tower Ac	-								
	Explanation : Tops C And Missing Safety C				ppings. (Corroded Grating				
Control House	100%		2065	* *						
Main Drive System										
Generic	30% Now	\$17,800	2065	* *						
	Other Observation, Ex Location : Machiner	_	Affected .	1%						
	Explanation : Minor Rubbing Of Covers	Lubricant Leakag	e. Some 1	Loose Inspection (Cover Bo	lts. Slight				
Generic	70%		2065	* *						
Sheaves										
Generic	100%		2065	* *						
	Other Observation, Extent : Light, Area Affected : 5% Location : Sheaves									
	Explanation : Nw Sh Monitored On All Sh		oing Noise	e During Operation	on. Noise	Should Be				
Structural Bearings										
Generic	100%		2040	* *						
Traffic Devices										
Barrier Gate	100% Now	\$32,500	2040	* *						
	Other Observation, Ex	tent : Severe, Are	a Affectea	l : 10%						
	Location: Barrier Gates									
	Explanation: Missing Gate Arm Locking Latches On Housings. Loose Locking Nut. Past Slippage Of West Cwt Plates. Adjustment Reqd									
Warning Gate	100% 0-2	\$2,500	2040	* *						
Č	Other Observation, Ex		Affected .	1%						
	Location: Warning Gates									
	Explanation : Adjust		Arm Buft	er Stand						

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$500,800	\$671,600
Total	\$500,800	\$671,600
Importance Code A	\$48,900	\$109,900
Importance Code B		\$109,900
Importance Code C	\$451,900	\$451,900
Total	\$500,800	\$671,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$9,400		\$22,000	
Total	\$9,400		\$22,000	
Importance Code A			\$11,000	
Importance Code B			\$11,000	
Importance Code C	\$9,400			
Total	\$9,400		\$22,000	



Maintenance \$ are aggregated over a ten-year period. Site 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		Futur	e Replacement	Ma		
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	4.00							
Elastomeric	100%			2055	* *			
Footings								
Not Accessible	100%							
Joint with Deck								
Generic	100%			LIFE	* *			
Pedestals								
Concrete	100%			LIFE	* *			
Stem (breastwall)								
Concrete	100%			LIFE	* *			
Wingwalls								
Footings								
Not Accessible	100%							
Piles								
Not Accessible	100%							
Walls								
Concrete	100%			LIFE	* *			
Approaches								
Pavement								
Asphalt	100%			2026		4		
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 100%			
	Location	: End App	roach					
	Explana	tion : Relie	f Joint Between App	proach S	lab And Bridge De	ck		
Concrete	100%	4+	\$9,400	2038	* *	4	\$21,300	
	Cracks, E	ktent : Ligh	t, Area Affected : 1	%				
	Location	: End App	roach Slab					
Curbs								
Concrete w/ Steel Face	100%			LIFE	* *			
Railings/Parapets								
Concrete	100%			2034	* *			
Piers								
Cap Beam								
Concrete	100%			LIFE	* *			
Pier, Columns								
Concrete	100%			LIFE	* *			
Stem, Solid Pier	10070							
Concrete	100%			LIFE	* *			
Brngs, Ancr Blts, Pads	10070			- En E				
Elastomeric	100%			2055	* *			
Footings	100/0			2000				
Not Accessible	100%							
Pedestals	100%							
Concrete	100%			LIFE	* *			
Coliciete	100%			LIFE				

Maintenance \$ are aggregated over a ten-year period. Site 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 R	lepair	Future F	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	
	Efflorescence, Extent Location : Through	-	rted : 2%				
	Other Observation, E.	xtent : Light, Area	Affected : 1	100%			
	Location : All Spans	s, Except At Deck (Overhangs				
	Explanation : Stay-I	n-Place Forms Us	ed With Co	ncrete Deck			
Joints							
Generic	100%		LIFE	* *			
Primary Member							
Steel	100%		LIFE	* *	2-8	\$205,200	
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$171,900	

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026		
Bridge Structure	\$299,500	\$2,032,000		
Bridge Electrical	Electrical			
Total	\$299,500	\$2,265,100		
Importance Code A		\$941,700		
Importance Code B		\$1,023,800		
Importance Code C	\$299,500	\$299,500		
Total	\$299,500	\$2,265,100		

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$26,500		\$166,800	
Bridge Electrical	\$3,300	\$1,200	\$1,200	\$1,200
Bridge Mechanical	\$50,100			
Total	\$79,800	\$1,200	\$168,000	\$1,200
Importance Code A	\$3,400		\$87,500	
Importance Code B	\$53,300	\$1,200	\$80,500	\$1,200
Importance Code C	\$23,100			
Total	\$79,800	\$1,200	\$168,000	\$1,200



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4319

Bridge Structure	Current R	epair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)		Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Abutments							
Bridge Seat&pedestals							
Concrete	100%	I	LIFE	* *			
Backwall							
Concrete	100%	I	LIFE	* *			
Brngs, Ancr Blts, Pads							
Elastomeric	100%	2	2052	* *			
Footings							
Not Accessible	100%						
Joint with Deck							
Generic	100%	I	LIFE	* *			
Mat (scour & erosion)							
Generic	100%	I	LIFE	* *			
Pedestals							
Concrete	100%	I	LIFE	* *			
Stem (breastwall)							
Concrete	100%	I	LIFE	* *			
Walls							
Concrete	100%	I	LIFE	* *			
Wingwalls							
Footings							
Not Accessible	100%						
Mat (scour & erosion)							
Earth	100%		LIFE	* *			
Generic	100%	I	LIFE	* *			
Piles							
Not Accessible	100%						
Walls							
Concrete	100%	I	LIFE	* *			
Feature Crossed							
Bank Protection		_					
Concrete	100%	1	LIFE	* *			
Mat (scour & erosion)	1000/						
Not Accessible	100%						
Pier Protection	1000/			de de			
Timber	100%	I	LIFE	* *			
Approaches							
Pavement	1.000/		2007	* *	4	\$ < 0. 2 0.0	
Concrete	100%		2037	* *	4	\$69,200	
Embankment	1000/	•	TEE	* *			
Earth	100%		LIFE	* *			
Generic	100%	I	LIFE	* *			
Guide Railing	1000/		3027	ale -1-	,	010.000	
Concrete	100%		2037	* *	4	\$10,300	
Steel	100%	I	LIFE	* *	2-8	\$18,700	
Mat (scour & erosion)	1000/		TEE	* *			
Earth	100%	1	LIFE	~ *			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4319

Bridge Structure	Cui	rent Repair	Futur	e Replacement	М	aintenance	
System Component Type		Date Estimated Cost ears)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches							
Pavement Base							
Not Accessible	100%						
Sidewalks							
Concrete	100%		LIFE	* *			
Piers							
Cap Beam							
Concrete	100%		LIFE	* *			
Pier,Columns							
Concrete	100%		LIFE	* *			
Stem,Solid Pier							
Concrete	100%		LIFE	* *			
Deck Elements							
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	
Superstructure							
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	
Movable Bridges							
Swing Span Truss							
Steel	100%		LIFE	* *			
Swing Span Pivot Pier							
Concrete	100%		LIFE	* *			

Bridge Electrical	Curren	t Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical							
Intercom							
Generic	100%		2022	\$14,400			
Telephone							
Desk Top	100%		2022				

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4319

Bridge Electrical	Current	t Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical							
Jack	1000/		2022				
Telephone	100%		2022				
Control System Electrical							
Computer PLC	10% Now	¢1.500	2022	\$2.500			
PLC		\$1,500 Extent : Severe, Area		\$2,500			
	Location : Plc Ca		и Ајјесте	u . 10070			
		e Processor Has No I	Plc Prog	ram			
PLC	90%	7170003507 1145 110 1	2022	\$22,300			
Control Console	7070			Ψ22,300			
Stainless Steel	100%		LIFE	* *			
Control Devices	10070						
Relay	100%		2042	* *			
Disconnect Switch	10070	_					
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	* *			
		Extent : Light, Area	Affected	: 100%			
	Location : Machin						
	Explanation : Gra	ating Motor Used In	Place Of	Main Motor.			
Machinery Brake	1000/		20.52	de de			
Thruster	100%		2052	* *			
Motor Brake	1000/		2052	ale ale			
Thruster	100%		2052	* *			
Span Lock Motor	0.007		2052	* *			
Generic	90%	Entant Lists Anon	2052				
	Location : Span L	Extent: Light, Area	Ајјестеа	: 100%			
	-	ın Locks Used For Ei	nd Lifts I	Description			
Conoria				yescripiion. **			
Generic	10% Now	\$600 Extent : Moderate, A	2052				
	Location : Span L		<i>агеа А</i> ฏе	стеа : 30%			
		ocks st End Lift Motor Jun	nction Ro	or Rroken			
Wedge Motor	Елрипиноп . wes	n Enu Egi Moior Jun	CHOR BO	A DIOKEII			
Generic	100%		2052	* *			
Electrical Power	100/0						
MCC							
	100%		2042	* *			
Generic							
Generic PanelBoard	10070						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4319

Bridge Electrical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	10070						
Exit Lighting							
Battery Operated	100%		2027	* *			
Lighting Fixture	10070						
Incandescent	100%		2022	\$3,200			
Navigation Lighting	10070			Ψ5,200			
Fender Lighting							
Incandescent	100%		2022	\$8,700			
Pier Lighting	10070			ψο,700			
Incandescent	100%		2022	\$2,800			
Span Lighting	10070		2022	Ψ2,000			
Incandescent	100%		2022	\$7,000			
Raceway	10070		2022	\$7,000			
Box							
Pull Junction	100%		2032	* *			
Terminal	100%		2032	* *			
Conduit	10070		2032				
Metal	100%		2062	* *			
	100%		2002				
Submarine Control Cables	1000/		2027	* *			
Control	100%		2027	4-4-			
Submarine Power Cable	1000/		2027	* *			
Power	100%		2027	* *			
Trough	1000/		20.52	* *			
Metal	100%		2062	* *			
Wires	1000		20:5				
Thermoplastic	100%		2042	* *			
Span Lock							
Motor	100-						
Squirrel Cage	100%		2037	* *			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4319

Bridge Electrical		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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			

idge Mechanical	Current	Repair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ing							
Center Latch							
Generic	50% Now	\$4,300	2062	* *			
	Other Observation,		Area Affe	cted : 5%			
	Location: West Re	est Pier					
	Explanation: Wes	t Latch Does Not W	ork Prop	erly			
Generic	50%		2062	* *			
Center Lift							
Generic	100% 0-2	\$22,700	2062	* *			
	Other Observation,	Extent : Light, Area	Affected	: 2%			
	Location : North &	& South Center Wed	ges				
	Explanation : Min Low Level	or Corrosion And Li	ubricant	Leakage. South Re	ducer O	il Gauge Shows	
Center Pivot							
Generic	100%		2062	* *			
Emergency Drive							
Emergency Power	100% Now	\$1,900	2062	* *			
	Other Observation,	Extent : Light, Area	Affected	: 1%			
	Location: Machin	ery House Platform					
	Explanation: Hyd	raulic Engine Genei	ator Gu	ard Removed			
End Lift		-					
End Lift Generic	100% Now	\$14,900	2062	* *			
	100% Now Other Observation,	\$14,900		* *			
		\$14,900 Extent : Light, Area		* *			
	Other Observation, Location : East &	\$14,900 Extent : Light, Area	Affected	**	Of Debris	And Minor	
	Other Observation, Location : East & Explanation : Brak	\$14,900 Extent : Light, Area West Rest Piers	Affected	**	Of Debris	And Minor	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 Re	pair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Fail Date E Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
wing							
Houses							
Access Ways	100% Now	\$4,600	2062	* *			
		Other Observation, Extent: Light, Area Affected: 2%					
	Location: East & West Rest Piers						
	Explanation: Hatches	s At Rest Pier En	d Lift Ne	ed To Be Repaired	!		
Control House	100%		2062	* *			
Machinery Room	100%		2062	* *			
Main Drive System							
Generic	100%		2062	* *			
	Other Observation, Exte	ent : Light, Area	Affected	: 1%			
	Location: Center Of S	Swing Span					
	Explanation: Breathe	ers Will Need To	Be Chan	ged Soon. Small S	queak Fr	om Tach Switch.	
Structural Bearings							
Generic	100%		2037	* *			
Traffic Devices							
Barrier Gate	100% Now	\$1,300	2037	* *			
	Other Observation, Exte	ent : Severe, Ared	a Affecte	d : 1%			
	Location: East & Wes	st Barrier Gates					
	Explanation : Loose C	Crash Gate Wire	Anchor I	Base Nuts			
Warning Gate	75%		2037	* *			
Warning Gate	25% Now	\$300	2037	* *			
Č	Other Observation, Exte	ent : Moderate, A	Area Affe	cted : 5%			
	Location: North East	Gate					
	Explanation: Broken	Guy Wire					

^{**} 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	
Total	\$6,227,300	\$483,900
Importance Code A	\$2,870,500	\$51,400
Importance Code B	\$3,356,700	\$215,800
Importance Code C		\$216,700
Total	\$6,227,300	\$483,900

Total	\$199,400	\$3,700	\$800	\$18,100
Importance Code C	\$24,600	\$3,700		\$18,100
Importance Code B	\$168,100			
Importance Code A	\$6,700		\$800	
Total	\$199,400	\$3,700	\$800	\$18,100
Bridge Mechanical	\$93,900			
Bridge Electrical	\$34,500			
Bridge Structure	\$71,000	\$3,700	\$800	\$18,100
EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020



Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4244

Bridge Structure	Current Repair	Future F	Future Replacement Maintenance				
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year E	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Abutments Footings Not Accessible	100%						
Joint with Deck Generic	100% 0-2 Joints Missing, Extent: Mod Location: Begin Abutmen	t	**				
	Leakage, Extent : Severe, A. Location : At Begin Abutn	•••					
Mat (scour & erosion) Earth	100%	LIFE	* *				
Stem (breastwall) Concrete	100% 4+ Cracking/Crumbling, Exten Location: Begin Abutmen Delaminations, Extent: Mo Location: Begin Abutmen Spalling, Extent: Moderate Location: Begin Abutmen	t derate, Area Affected : . t , Area Affected : 10%					
Walls	1000/	LHEE	* *				
Concrete Feature Crossed Bank Protection	100%	LIFE	7. 7.				
Riprap Mat (scour & erosion)	100%	LIFE	* *				
Not Accessible Pier Protection Timber	100% Now Broken/Missing Elements, E Location: Piers 8 & 9. Rotted, Extent: Severe, Are Location: Piers 8 & 9.	-	* * fected : 70%				
Approaches Pavement							
Asphalt	100% Other Observation, Extent: Location: End Approach Explanation: End Approa	Only.	\$216,700 100%	4	\$11,100		
Curbs Concrete Concrete w/ Steel Face	100% 100%	LIFE LIFE	* *				
Concrete w/ Steet Face	Other Observation, Extent: Location: Left Side End A Explanation: Left Side En	Light, Area Affected : Approach					
Embankment Earth	100%	LIFE	* *				
Guide Railing Steel	100%	LIFE	* *	2-8	\$5,800		

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4244

ridge Structure	Current Repair	Future Re	placement	М	aintenance	
stem Component Type	% of Fail Date Estimated Cos Total (Years)	t Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priorit
proaches						
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
Sidewalks						
Concrete	100%	LIFE	* *			
rs						
Cap Beam						
Concrete	65%	LIFE	* *			
Concrete	35% 0-2 \$144,600		* *			
	Leakage, Extent : Severe, Area Affecte					
	Location: At Cap Beam 1,3,5,7,10,1	12,14,16				
	Spalling, Extent : Moderate, Area Affe					
	Location: Cap Beams 12,14,16 Rigi	ht Side				
	Other Observation, Extent: Moderate	e, Area Affected	: 1%			
	Location: Piers 1, 3, 5, 7, 10, 12, 14	4, 16.				
	Explanation: Cap Beams Spalling A	And Cracking				
Pier,Columns						
Concrete	70%	LIFE	* *			
Concrete	30% 0-2 \$80,700) LIFE	* *			
	Cracks, Extent : Moderate, Area Affect	cted : 20%				
	Location: Piers 1, 3, 7, 13, 14, & 10	5				
	Exposed Reinforcement, Extent: Mod	lerate, Area Affe	ected : 20%			
	Location : Piers 1, 3, 7, 13, 14, & 10					
	Spalling, Extent : Moderate, Area Affe					
	Location: Piers 1, 3, 7, 13, 14, & 10					
Stem,Solid Pier						
Concrete	100%	LIFE	* *			
Brngs,Ancr Blts,Pads						
Steel	100%	LIFE	* *	2-8	\$8,000	
2000	Other Observation, Extent : Light, Ara		6		40,000	
	Location : Spans 7, 8, 9, 10 & 15.	.				
	Explanation : Spans 7, 8, 9, 10 & 15	5.				
Footings	,					
Not Accessible	100%					
Mat (scour & erosion)						
Earth	100% 0-2 \$5,600) LIFE	* *			
Larui	Erosion, Extent : Severe, Area Affecte					
	Location: Under Spans 10, 11, 12 &					
Pedestals						
Concrete	100% 0-2 \$17,800) LIFE	* *			
Concrete	Other Observation, Extent : Light, Ard		6			
	Location: Pier 9	carijjeciea . 1/	v			
	Explanation: Pier 8 & 9					
als Elamants	Explanation . Fiel $o \propto 9$					

Deck Elements

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4244

% of Total	Fail Date (Years)	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	n,
	(=)		FY		(Yrs)	Estimated Cost	Priorit
100%			2045	* *			
100%	Now	\$800	LIFE	* *			
			Area Affe	cted: 2%			
	•	•					
Explanat	ion : Steel	Plate Loose At En	d Abutme	ent.			
100%			LIFE	* *	5	\$400	
					_		
					5	\$26,600	
			Affected	: 1%			
	-						
				* *	5	\$13,300	
			d: 40%				
	-						
			Area Affe	cted : 20%			
	-						
Explanat	ion : Nume	erous Patched Potl	ıoles,				
1000/			2040	de de			
						4.200	
		#200					
					2-8	\$4,300	
			ected : 13	%			
100%	Now	\$900	2020	\$4,500	4	\$2,200	
		xtent : Moderate, 1	Area Affe	cted : 20%			
	-						
Explanat	ion : Missi	ng Asphalt Pavers	<u>.</u>				
90%			2030	* *	5	\$600	
10%	4+	\$200	2030	* *	5	\$300	
			10%				
Location	: Spans 8,	13, 14, & 16.					
90%			2026	\$28,900	5	\$6,000	
	0-2			* *	5	\$3,000	
				cted : 25%			
	-	-					
Explanat	ion : Potho	oles And Uneven A	sphalt Po	utches			
1000:		φ404 5 00		at. •	-	A # # C C	
					5	\$5,500	
	xtent : Mo : Spans 8,		tea : 25%	9			
	Other Obsellors Location Explanat 100% 90% Other Obsellors Location Explanat 10% Cracks, Ex Location Other Obsellors Location Explanat 100% 95% Corrosion, Location 100% Other Obsellors Location Explanat 90% 10% Cracks, Ex Location 90% 10% Cracks, Ex Location 90% 10% Spalling, E	Other Observation, E Location: Span 17 Explanation: Steel 100% 90% Other Observation, E Location: Spans 6 Explanation: Spans 6 Other Observation, E Location: Spans 6, Other Observation, E Location: Spans 6, Explanation: Nume 100% 95% 5% 4+ Corrosion, Extent: M Location: Spans 8 100% Now Other Observation, E Location: Spans 8 100% Now Other Observation, E Location: Spans 9 Explanation: Missi 90% 10% 4+ Cracks, Extent: Ligh Location: Spans 8, 90% 10% 0-2 Other Observation, E Location: Spans 5 Explanation: Pother 100% 4+ Spalling, Extent: Mo	Other Observation, Extent: Moderate, A Location: Span 17 Left Side Explanation: Steel Plate Loose At End 100% 90% Other Observation, Extent: Light, Area Location: Spans 6 - 8 & 10 - 12. Explanation: Spans 6 - 8 & 10 - 12. 10% 2-4 \$1,400 Cracks, Extent: Moderate, Area Affecte Location: Spans 6, 7, 8, 10 Thru. 12 Other Observation, Extent: Moderate, A Location: Spans 6, 7, 8, 10 Thru. 12 Explanation: Numerous Patched Poth 100% 95% 5% 4+ \$300 Corrosion, Extent: Moderate, Area Affected: A Location: Spans 8 & 10 100% Now \$900 Other Observation, Extent: Moderate, A Location: Spans 9 Explanation: Missing Asphalt Pavers 90% 10% 4+ \$200 Cracks, Extent: Light, Area Affected: A Location: Spans 8, 13, 14, & 16. 90% 10% 0-2 \$300 Other Observation, Extent: Moderate, A Location: Spans 5 Left Side, Westbout Explanation: Potholes And Uneven A 100% 4+ \$181,700 Spalling, Extent: Moderate, Area Affected: A Location: Potholes And Uneven A	Other Observation, Extent: Moderate, Area Affel Location: Span 17 Left Side Explanation: Steel Plate Loose At End Abutme 100% LIFE 90% 2035 Other Observation, Extent: Light, Area Affected Location: Spans 6 - 8 & 10 - 12. Explanation: Spans 6 - 8 & 10 - 12. 10% 2-4 \$1,400 2035 Cracks, Extent: Moderate, Area Affected: 40% Location: Spans 6, 7, 8, 10 Thru. 12 Other Observation, Extent: Moderate, Area Affected: 40% Location: Spans 6, 7, 8, 10 Thru. 12 Explanation: Numerous Patched Potholes, 100% 2040 95% LIFE 5% 4+ \$300 LIFE Corrosion, Extent: Moderate, Area Affected: 15 Location: Spans 8 & 10 100% Now \$900 2020 Other Observation, Extent: Moderate, Area Affected: 15 Location: Span 9 Explanation: Missing Asphalt Pavers. 90% 2030 10% 4+ \$200 2030 Cracks, Extent: Light, Area Affected: 40% Location: Spans 8, 13, 14, & 16. 90% 2026 10% 0-2 \$300 2030 Other Observation, Extent: Moderate, Area Affected: Location: Spans 5 Left Side, Westbound. Explanation: Potholes And Uneven Asphalt Patch Spalling, Extent: Moderate, Area Affected: 25% 100% 4+ \$181,700 LIFE Spalling, Extent: Moderate, Area Affected: 25% 100% 4+ \$181,700 LIFE Spalling, Extent: Moderate, Area Affected: 25%	Other Observation, Extent: Moderate, Area Affected: 2% Location: Span 17 Left Side Explanation: Steel Plate Loose At End Abutment.	Other Observation, Extent: Moderate, Area Affected: 2% Location: Span 17 Left Side Explanation: Steel Plate Loose At End Abutment. 100% LIFE ** 5 90% 2035 ** 5 Other Observation, Extent: Light, Area Affected: 1% Location: Spans 6 - 8 & 10 - 12. Explanation: Spans 6 - 8 & 10 - 12. 10% 2-4 \$1,400 2035 ** 5 Cracks, Extent: Moderate, Area Affected: 40% Location: Spans 6, 7, 8, 10 Thru. 12 Other Observation, Extent: Moderate, Area Affected: 20% Location: Spans 6, 7, 8, 10 Thru. 12 Explanation: Numerous Patched Potholes, 100% 2040 ** 4 95% LIFE ** 2-8 Corrosion, Extent: Moderate, Area Affected: 15% Location: Spans 8 & 10 100% Now \$900 2020 \$4,500 4 Other Observation, Extent: Moderate, Area Affected: 20% Location: Spans 8 Explanation: Missing Asphalt Pavers. 90% 2030 ** 5 10% 4+ \$200 2030 ** 5 Cracks, Extent: Light, Area Affected: 40% Location: Spans 8, 13, 14, & 16. 90% 2026 \$28,900 5 10% 0-2 \$300 2030 ** 5 Other Observation, Extent: Moderate, Area Affected: 25% Location: Spans 5 Left Side, Westbound. Explanation: Potholes And Uneven Asphalt Patches	Other Observation, Extent : Moderate, Area Affected : 2% Location : Span 17 Left Side Explanation : Steel Plate Loose At End Abutment. 100% LIFE ** 5 \$400 90% 2035 ** 5 \$26,600 Other Observation, Extent : Light, Area Affected : 1% Location : Spans 6 - 8 & 10 - 12. Explanation : Spans 6 - 8 & 10 - 12. 10% 2-4 \$1,400 2035 ** 5 \$13,300 Cracks, Extent : Moderate, Area Affected : 40% Location : Spans 6, 7, 8, 10 Thru. 12 Other Observation, Extent : Moderate, Area Affected : 20% Location : Spans 6, 7, 8, 10 Thru. 12 Explanation : Numerous Patched Potholes, 100% 2040 ** 4 95% LIFE ** 2-8 \$4,300 5% 4+ \$300 LIFE ** 2-8 \$4,300 Corrosion, Extent : Moderate, Area Affected : 15% Location : Spans 8 & 10 100% Now \$900 2020 \$4,500 4 \$2,200 Other Observation, Extent : Moderate, Area Affected : 20% Location : Spans 8 & 10 100% Now \$900 2020 \$4,500 4 \$2,200 Other Observation, Extent : Moderate, Area Affected : 20% Location : Spans 8, 13, 14, & 16. 90% 2030 ** 5 \$300 Cracks, Extent : Light, Area Affected : 40% Location : Spans 8, 13, 14, & 16. 90% 2030 ** 5 \$300 Cracks, Extent : Light, Area Affected : 40% Location : Spans 8, 13, 14, & 16. 90% 2026 \$28,900 5 \$6,000 10% 0-2 \$300 2030 ** 5 \$3,000 Other Observation, Extent : Moderate, Area Affected : 25% Location : Spans 5 Left Side, Westbound. Explanation : Potholes And Uneven Asphalt Patches

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 R	Replacement	M	aintenance			
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
uperstructure								
Joints	40							
Steel	60%	LIFE	* *					
Steel	40% Now \$21,900	LIFE						
	Broken/Missing Elements, Extent : Seve Location : Spans 1,3,5,7,10,12,14 And		ectea : 60%					
	Location : Spans 1,3,3,7,10,12,14 Ana Leakage, Extent : Moderate, Area Affec							
	Location: Spans 1,3,5,7,10,12,14 And							
Duine and Manakan	Location : Spans 1,3,3,7,10,12,14 Ana	10						
Primary Member Concrete	70%	LIFE	* *	5	\$25,700			
Concrete	30% 2-4 \$358,800	LIFE	* *	5	\$25,700			
Concrete	Cracks, Extent : Moderate, Area Affecte			3	\$25,700			
	Location: Spans 1 Thru 7 And 11 Thr							
	Exposed Reinforcement, Extent: Moderate, Area Affected: 20%							
	Location: Spans 1 Thru 7 And 11 Thr		jeerea . 2070					
	Spalling, Extent : Moderate, Area Affect							
	Location: Spans 1 Thru 7 And 11 Thr							
Secondary Member								
Not Accessible	100%							
	Other Observation, Extent : Light, Area	Affected: 0	9%					
	Location:							
	Explanation: Spans 8 & 10.							
Iovable Bridges								
Bascule Span								
Steel	50%	LIFE	* *					
Steel	50% 2-4 \$1,723,800	LIFE	* *					
	Other Observation, Extent : Severe, Are	a Affected :	25%					
	Location: Span 9							
	Explanation: Steel Section Loss And C	Corrosion H	oles. Cracked S	teel Grai	ing Panel. Poor			
D 1. C	Condition Of Right Sidewalk.							
Bascule Span Pier	100% 2-4 \$461,700	I IEE	* *					
Concrete	Other Observation, Extent: Moderate, 2	LIFE						
	Location : Bascule Span Piers	ътеи Ајјесте	u . 20/0					
	Explanation : Spalls And Cracks							
	Explanation . Spatts Ana Cracks							

Bridge Electrical		Current F	Repair	Futur	e Replacement	M	aintenance	
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

 $Other\ Observation,\ Extent: Severe,\ Area\ Affected:100\%$

Location : Numerous Locations Explanation : System Not Operational

Control System 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.

 ${\it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 Electrical		Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Control System Electrical								
Control Console	400							
Stainless Steel	Location	servation, I n : On Con	\$55,000 Extent : Moderate, 1 sole ge Fully Open Indic			Namepla	tes Barely Legible	
Disconnect Switch								
Generic	100%	4+	\$37,600	2045	* *			
	Location	n : Various						
T. 1. 0. 1. 1	Explana	tion : Disc	onnect Switches Ar	e Not All	Operable			
Limit Switch	1000/	0.2	¢20 100	2045	* *			
Generic	Location	servation, I n : East And	\$38,100 Extent : Severe, Are d West Leaves t Switch Housing Se		d : 100%			
Electrical Power	Ехриини	uton . Limi	i Swiich Housing Se	verely C	отгошей			
Dist Equip & Motor Controll Generic	100% Other Ob		\$447,400 Extent : Severe, Are Room	2045 a Affecte	* * d : 100%			
	Explana	tion : Not (Osha Compliant, No	Replace	ement Parts Availa	ble		
Raceway Submarine Control Cables Not Accessible	100%							
Wiring								
Generic	Location	servation, I n : Various	\$966,100 Extent : Moderate, A duit Is Corroded. W					
Γraffic System Electrical	Ехріана	nion . Conc	iuii Is Corroaea. w	iring is i	Jamagea.			
Traffic Signal								
Generic	100%	Now	\$40,500	2025	\$135,100			
		lissing Elen n : Approac	nents, Extent : Mod ches	erate, Ar	ea Affected : 40%			
		servation, I n : Approac	Extent : Light, Area ches	Affected	: 100%			
	Explana	tion : Some	e Bulbs Need Repla	cement				
Lighting Lighting Devices								
Generic	100%	Now	\$48,400	2023	\$80,600			
Concre	Other Ob.		Extent : Moderate, 1					
	Evnland	ition · Vari	ous Service Lightin	a Firtura	s Are Broken/Mis	cina		

Bridge Mechanical	C	Current R	lepair	Futur	e Replacement	M	aintenance	
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Note: All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

 ${\it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4244

idge Mechanical	Current Repair	Future Replacement	Maintenance	
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Co FY	st Cycle Estimated Cost Pri (Yrs)	iorit
scule				
Counter Weight				
Generic	100% Now \$25,600 Other Observation, Extent: Moderate, An Location: Counter Weights Explanation: Blocks On Top Of West C	rea Affected : 2%	* Secured	
Emergency Drive				
Emergency Power	Other Observation, Extent : Moderate, An Location : Auxiliary Drives	rea Affected : 20%	*	
	Explanation: No Operation Observed. I Auxiliary Drive.	Need To Perform Main	tenance, Repairs And Test	
Manual	100% Now \$28,100 Other Observation, Extent: Moderate, Ar Location: Manual Drive Components	2028	*	
	Explanation : No Operation Observed. (Frozen	Covered In Pigeon Dro	ppings And Appears To Be	
Fuel Tanks	-			
Generic	100% Now \$600 Other Observation, Extent: Light, Area A Location: Operators House Explanation: Slight Leakage Noted On	2030 Affected : 5%	* ot Accessible	
Houses	7	1		
Access Ways	80% 4+ \$28,200 Other Observation, Extent: Light, Area A Location: Span Drive Machinery Explanation: Mild Corrosion.	2028	*	
Access Ways		Affected: 40%	*	
Control House		2040 *	*	
	Location: Control And Tender Houses		N C ID	
M 1' D	Explanation : Some Window Leak. Repo		s Not Cool Room.	
Machinery Room	100% Now \$7,400 Other Observation, Extent: Light, Area A Location: Machinery Rooms	2040	*	
	Explanation: Some Broken Locks. Some Pigeon Droppings.	e Small Floor Panels Ro	eplaced With Plywood. Some	
Lock Bars				
With Motor	100% Now \$226,200 Other Observation, Extent: Severe, Area Location: Lock Bar Machinery Explanation: Not Accessible From Plat	Affected: 50%	* wered In Debris Corroded	
	And Is In Poor Condition. Some Binding		четей т Беонь, Сонойей	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

ridge Mechanical	Current Repair	Future Replacement	Maintenance
rstem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost Priorit
scule			
Main Drive System	1000/ 17	2020	
Generic	100% Now \$338,400	2028 **	
	Other Observation, Extent : Severe, Are Location : Machinery Room	a Affectea : 10%	
	Explanation : One Brake Not Function	ina Lubricant Loakago S	oma Correcion Soma Rolts
	Have Heavy Corrosion/ Loss	ung. Lubricani Leakage. Si	The Corrosion. Some Botts
Rack	,		
Generic	100% 2-4 \$46,200	2040 **	
	Other Observation, Extent : Light, Area	Affected: 5%	
	Location : Racks		
	Explanation : Some Corrosion		
Structural Bearings	1000/		
Not Accessible	100%		
Traffic Devices	1000/ N	2020 **	
Barrier Gate	100% Now \$159,600 Other Observation, Extent : Severe, Are	2028	
	Location : Barrier Gates	a Affectea . 2070	
	Explanation: Some Latches Missing C	r Not Functioning Some (Cracks On Gate Arm Paint
	Required. One Bent Housing	Thoir unchoning. Some	Trucks On Gute IIII. I um
Warning Gate	100% Now \$49,500	2028 **	
C	Other Observation, Extent : Moderate, A	Area Affected : 20%	
	Location: Warning Gates		
	Explanation: Some Broken/missing He	ardware. Missing Covers (On Open Holes. Painting
	Required		
Trunnion	1000/ Name 0540 600	2040 **	
Generic	100% Now \$549,600 Other Observation, Extent: Moderate, A	2040	
	Location : Trunnions	rieu Ajjevieu . 1070	
	Explanation : Machinery Covered In I	Debris/ Corrosion, Reporte	ed That It Is Difficult To
	Grease. Missing Limit Switch Gear Bo		a mai n is Difficult 10

^{**} 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 : 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$37,100	\$465,700
Bridge Electrical	\$1,730,100	\$568,100
Bridge Mechanical	\$134,600	
Total	\$1,901,800	\$1,033,800
Importance Code A		\$183,200
Importance Code B	\$1,864,800	\$723,100
Importance Code C	\$37,100	\$127,500
Total	\$1,901,800	\$1,033,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$59,800	\$11,800	\$38,200	\$900
Bridge Electrical	\$63,400			
Bridge Mechanical	\$61,200			
Total	\$184,400	\$11,800	\$38,200	\$900
Importance Code A	\$7,600		\$18,700	
Importance Code B	\$143,000		\$16,500	
Importance Code C	\$33,800	\$11,800	\$3,000	\$900
Total	\$184.400	\$11,800	\$38,200	\$900



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Current Repair		Future Replacement		Maintenance			
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
100%			LIFE	* *			
100%			LIFE	* *			
100%			LIFE	* *			
100%							
100%			LIFE	* *			
100%			LIFE	* *			
100%			LIFE	* *			
100%							
100%							
100%			LIFE	* *			
100%			LIFE	* *			
100%				* *			
100%			2029	* *			
100%							
85%			LIFE	* *			
15%	0-2	\$18,400	LIFE	* *			
	-	nents, Extent : Mod	erate, Ar	rea Affected : 20%			
		erate, Area Affected	d: 10%				
		xtent : Moderate A	rea Affe	cted : 15%			
		11 11 11 11 11 11 11 11 11 11 11 11	1 - 5/5/01				
100%			2034	* *	4	\$35.500	
20070					•	<i>\$35,500</i>	
100%			LIFE	* *			
100/0			211 12				
95%			LIFE	* *	2-8	\$5,800	
	0-2	\$300		* *			
					2-0	Ψ2,600	
_	_		24.111100				
	100% 100% 100% 100% 100% 100% 100% 100%	% of Fail Date Total (Years)	Mode Fail Date Estimated Cost Total (Years)	Notal Fail Date Estimated Cost Year FY	No of Total Fail Date Estimated Cost FY Estimated Cost FY	No of Total Fail Date Estimated Cost Year Estimated Cost Cycle (Yrs)	No of Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs)

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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			
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Approaches								
Sidewalks	0.507		LIDE	* *				
Concrete	95%	#100	LIFE	* *				
Concrete	5% 4+	\$100	LIFE	* *				
		ght, Area Affected : 2		A 4 T				
		side Of Sdwk. Overh	_	=				
		ent : Moderate, Area . side Of Sdwk. Overh		10%				
	Location . Under	side Of Sawk. Overni	ang.					
Piers Cap Beam								
Cap Beam Concrete	100%		LIFE	* *				
Steel	100%		LIFE	* *	2-8			
Pier,Columns	100/0		LII L		2-0			
Steel	100%		LIFE	* *	2-8	\$28,500		
Steel		Light, Area Affected			2 0	Ψ20,500		
	Location : Pier 1		. 10,0					
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	1000/		LIPE	* *				
Concrete w/ Steel Face	100%	Entant Light Anga	LIFE					
	Location : Spans	, Extent : Light, Area	Ајјестеа	: 100%				
	Explanation : Spans							
C41	100%	uns 1, 2, & 3.	LIDE	* *				
Steel		, Extent : Light, Area	LIFE					
	Location : Spans		Ајјестеи	. 100/0				
	Explanation : Spans							
Guide Railing	дарининон . эрс							
Steel	95%		LIFE	* *				
Steel	5% 4+	\$2,100	LIFE	* *				
		Extent : Moderate, A		ted : 5%				
	Location : Span 4		55					
Mono Deck Surface								
Concrete	100%		2047	* *	5	\$67,500		

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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		
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements							
Railings/Parapets							
Cast Iron	90%		LIFE	* *			
Cast Iron	5% 4+	\$3,700	LIFE	* *			
		Severe, Area Affecte Pedestrian Railing S _l					
Cast Iron	5% Now Broken/Missing Ele Location : Spans 2	\$1,500 ments, Extent : Seve 2 & 5.	LIFE re, Area	* * Affected : 10%			
Sidewalks							
Concrete	100%		2029	* *	5	\$6,000	
	Location : Spans Efflorescence, Exter	nt : Light, Area Affec		%			
	Location: Spans	1 & 5.					
Grating w/ Concrete	100%		2047	* *			
	Other Observation, Location: Spans: Explanation: Spa		Affected	: 100%			
Wearing Surface							
Asphalt	100%		2025	\$90,400	5	\$1,900	
Concrete	100%		2034	* *	5	\$74,100	
	Recent Repair Evid Location : Spans	ent, Extent : Light, A 3 & 4.	rea Affec	eted : 10%			
Superstructure							
Deck,Structural							
Concrete	100%		LIFE	* *	5	\$2,200	
Grating w/ Concrete	100%		LIFE	* *			
Joints							
Steel	100%		LIFE	* *			
Generic	100%		LIFE	* *			
Primary Member	1000/		LIEE	* *	2.0	#200 500	
Steel	100% Corrosion, Extent: Location: Spans	Moderate, Area Affe 1,2 & 5	LIFE ected : 5%		2-8	\$289,500	
Secondary Member							
Steel	100%		LIFE	* *	2-8	\$242,500	
	Corrosion, Extent : Location : Spans .	Light, Area Affected 1, 2 & 5.	: 5%				
Movable Bridges							
Swing Span Truss							
Steel	100%		LIFE	* *			
	Location: Spans:						
	Explanation : Loc	alized Corrosion Wi	th Section	n Loss In Primary	And Sec	ondary Members.	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	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		Futur	e Replacement	M		
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			
			xtent : Light, Area	Affected	: 100%			
		: Entire Sy						
	Explanat	ion : Not F	unctional.					
Control System Electrical								
Control Console	1,000/			LIDE	* *			
Stainless Steel	100%			LIFE				
Disconnect Switch	1,000/			2024	* *			
Generic	100%			2034	-11-			
Limit Switch	1,000/			2024	* *			
Generic	100%			2034	* *			
Electrical Power	11							
Dist Equip & Motor Cont Generic	100%	Now	\$28,400	2026	¢569 100			
Generic			\$28,400 xtent : Light, Area		\$568,100			
		: Motors 1		Ајјестеи	. 5070			
			rs 1 And 3 Not Ope	orational				
Raceway	Ехрини	ion . Moio	rs I Ana 3 Ivoi Opi	eranonai.	•			
Collector Ring								
Metal	100%	2-4	\$16,000	2029	* *			
1,10001		ervation, E	xtent : Light, Area		: 20%			
			ring Lower Level	55				
			tor Shoes Are Sligh	itly Corre	oded			
Submarine Control Cable			0					
Control	100%			2019				
Wiring								
Generic	100%			2019	\$1,496,400			
Traffic System Electrical Traffic Signal								
Generic	100%	Now	\$6,700	2020	\$133,300			
	Other Obs	ervation, E	xtent : Moderate, 1					
		: All Gong		33 -				
			s Are Not Operation	onal.				
Lighting	•		•					

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 W 207 ST / UNIVERSITY HEIGHTS BR

Asset #: 4243

Bridge Electrical	Current Repair			Futur	e Replacement	M		
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.

idge Mechanical	Current Repair	Future R	eplacement	М	aintenance	
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ing						
Center Latch						
Generic	100% Now \$64,200 Other Observation, Extent: Moderate, Location: East Latch Explanation: East Latch Is Not Drive					
Center Pivot						
Generic	100%	2049	* *			
Emergency Drive						
Emergency Power	100%	2049	* *			
	Other Observation, Extent : Light, Area Location : Emergency Power Explanation : No Operation Observed		00%			
End Lift						
Generic	100% 4+ \$70,400 Other Observation, Extent: Moderate, Location: End Lift Machinery Explanation: Machinery Exhibits Co		* * d : 20%			
Houses	•					
Access Ways	90%	2049	* *			
Access Ways	10% Now \$4,300	2049	* *			
	Other Observation, Extent : Light, Area Location : Hatch To Center Machine Explanation : Hatch Exhibits Modera	ry				
Machinery Room	100%	2049	* *			
Main Drive System Generic	100% 4+ \$26,000	2049	**			
	Other Observation, Extent : Light, Area Location : Span Drive Explanation : Accumulted Pigeon De			Machine	ry	
Structural Bearings					•	
Generic	100%	2030	* *			

Maintenance \$ are aggregated over a ten-year period. Site 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 Mechanical	Current R	epair	Future	e Replacement	M	aintenance			
System Component Type	% of Fail Date Total (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	* *					
	Other Observation, Extent : Moderate, Area Affected : 20%								
	Location: East Appr	roach							
	Explanation : Gate A	Arms Needed To B	e Manual	lly Interlocked At	Center				
Warning Gate	50% Now	\$12,400	2030	* *					
Č	Other Observation, Ex	ctent : Severe, Are	a Affected	d: 40%					
	Location : Southeast And Southwest								
	Explanation: Gates	Are Not Lowering	Fully. C	oncrete Missing A	round E	dge Of Base.			
Warning Gate	50%		2030	* *					

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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$2,922,300	\$124,700
Bridge Mechanical	\$79,100	
Total	\$3,001,400	\$124,700
Importance Code A	\$124,700	\$124,700
Importance Code B	\$2,876,700	
Total	\$3,001,400	\$124,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$64,500		\$14,500	
Bridge Mechanical	\$21,600			
Total	\$86,100		\$14,500	
Importance Code A	\$64,500		\$14,500	
Importance Code B	\$21,600			
Total	\$86,100		\$14,500	



Maintenance \$ are aggregated over a ten-year period. Site 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			aintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
butments						
Bridge Seat&pedestals						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	Affected :	1%			
	Location: End Abutment			a 16	1	
Mat (and a grant and	Explanation: Concrete Directly In Co	ontact With	1 The Deck Is In (sood Co.	ndition.	
Mat (scour & erosion) Earth	100%	LIFE	* *			
Stem (breastwall)	10070	LIIIL				
Concrete	100%	LIFE	* *			
Concrete	Other Observation, Extent : Light, Area		1%			
	Location : End Abutment	i Tijjeerea .	1,0			
	Explanation : Concrete Stem.					
Steel	100%	LIFE	* *			
Steel	Other Observation, Extent : Light, Area		1%			
	Location: Begin Abutment.					
	Explanation : Steel Column Stem.					
Wingwalls	•					
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	Affected :	1%			
	Location : End Abutment					
	Explanation: Wingwalls At End Abut	ment.				
Walls	1000					
Concrete	100%	LIFE	* *			
Feature Crossed						
Bank Protection	1000/	LIDE	* *			
Masonry	100%	LIFE	de de			
Pier Protection Timber	50%	LIEE	* *			
Timber	50% Now \$2,797,600	LIFE LIFE	* *			
Timber	Other Observation, Extent : Severe, Are					
	Location: Pier 6	a rijjecica	. 2370			
	Explanation : Fire Damaged Fender	Svstem Is U	Under Repair Nov	v.		
Approaches	1	<u> </u>				
Pavement						
Asphalt	100%	2030	* *	4		
Piers						
Cap Beam						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	Affected :	1%			
	Location: Pier 8					
	Explanation: Concrete Capbeam.					
Steel	100%	LIFE	* *	2-8		
	Other Observation, Extent: Light, Area	Affected :	1%			
	Location: Piers 1, 3. 4. & 6 Thru. 8.					
	Explanation: Steel Capbeam					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	M		
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
iers						
Pier,Columns						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Ar	ea Affected :	1%			
	Location: Pier 8					
	Explanation : Concrete Columns.					
Steel	100%	LIFE	* *	2-8		
	Other Observation, Extent : Light, Ar	ea Affected :	1%			
	Location: Piers 1, 3 & 6 Thru.8.					
	Explanation : Steel Columns.					
Stem,Solid Pier						
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Ar	ea Affected :	1%			
	Location: Piers 5 & 9.					
	Explanation : Concrete Stem					
Brngs, Ancr Blts, Pads						
Steel	100%	LIFE	* *	2-8	\$8,800	
	Other Observation, Extent : Light, Ar	ea Affected :	1%			
	Location: Piers 1, 3 Thru. 8.					
	Explanation : Steel Bearings.					
Mat (scour & erosion)						
Earth	97%	LIFE	* *			
Earth	3% 0-2 \$400		* *			
	Erosion, Extent : Moderate, Area Affe	ected: 5%				
	Location : Span 10.					
Pedestals	1000/		de de			
Concrete	100%	LIFE	* *			
Steel	100%	LIFE	* *			
Piles	1000/					
Not Accessible	100%	A CC4 - 1 .	00/			
	Other Observation, Extent : Light, Ard Location : Piers 1, 3 & 5	еа Ајјестеа :	0%			
eck Elements	Explanation : Piles Inaccessible.					
Railings/Parapets						
Concrete	100%	2035	* *	4	\$3,000	
Concrete	Other Observation, Extent : Light, Ar		1%	4	\$3,000	
	Location: Span 10 Only.	ги пујестей.	170			
	Explanation : Concrete Parapets					
Cr 1	<u> </u>	TIPE	* *	2.0	¢12.200	
Steel	100%	LIFE		2-8	\$13,300	
	Other Observation, Extent : Light, Ard Location : Spans 1 Thru. 9.	еа Ајјестеа :	170			
	_	a				
Wassing Craft	Explanation : Steel Rail And Fencin	·g.				
Wearing Surface Concrete	100%	2039	* *	5		
	10070	2039		3		
uperstructure Deck,Structural						
Concrete	100%	LIFE	* *	5	\$27,700	
Concrete	10070	LIFE		J	φ41,100	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Superstructure								
Joints								
Steel	100%			LIFE	* *			
Primary Member								
Steel	100%			LIFE	* *	2-8	\$399,200	
Movable Bridges								
Vertical Lift Span								
Steel	100%			LIFE	* *			
Vertical Lift Tower								
Steel	100%			LIFE	* *			
Vertical Lift Pier								
Concrete	100%			LIFE	* *			

Bridge Electrical		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Communication Electrical								
Communications								
Not Accessible	100%							
Control System Electrical								
Control Console								
Metal	100%			2046	* *			
Disconnect Switch								
Not Accessible	100%							
Limit Switch								
Generic	100%			2046	* *			
Electrical Power								
Dist Equip & Motor Controll								
Not Accessible	100%							
Raceway								
Submarine Power Cable								
Not Accessible	100%							
Wiring								
Generic	100%			2031	* *			
Lighting								
Lighting Devices								
Generic	100%			2031	* *			

Bridge Mechanical	Current	Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Vertical Lift

Note: All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 WARDS ISLAND PEDESTRIAN BRIDGE OVER HARLEM RIVER

Asset #: 13872

idge Mechanical		Current I	Repair	Futu	re Replacement	M	laintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
rtical Lift								
Counter Weight Ropes & Gu								
Generic	20%		\$79,100	2029	* *			
			Extent : Severe, Are					
			d From Span, West		•			
			Assemblies And G ne Splay Shims & C			Light O	r Old Lubricant	
Generic	80%			2029	* *			
Counter Weight								
Main CTRWT	100%			2054	* *			
	Other Obs	servation, E	Extent : Light, Area	Affectea	l : 50%			
	Location	ı : Counter	weights					
	Explana	tion : No O	perations. Observe	ed Only I	From Span.			
Houses								
Access Ways	100%			2029	* *			
	Other Observation, Extent: Light, Area Affected: 90%							
	Location	ı : Access V	Vays					
	Explana	tion : Most	Of The Accessway	s Were I	Not Accessible For	Observa	tions.	
Control House	100%	Now	\$13,600	2041	* *			
	Other Obs	servation, E	Extent : Severe, Are	a Affecte	ed : 10%			
	Location	ı : Bridge H	Houses					
	Explana	tion : The A	Abo House Roof Le	aks. Elec	ctric And Heat Has	Been Sh	ut Off.	
Main Drive System								
Not Accessible	100%							
Sheaves								
Not Accessible	100%							
Traffic Devices								
Barrier Gate	100%	Now	\$8,000	2029	* *			
	Other Obs	servation, E	Extent : Severe, Are	a Affecte	ed : 2%			
	Location	ı : Gates						
	Explana	tion : Gate	Latches Do Not Fi	ılly Enge	age Without Manud	al Assista	ınce.	

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$4,164,800	\$10,820,400
Total	\$4,164,800	\$10,820,400
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
Total	\$4,164,800	\$10,820,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$55,000		\$532,500	
Total	\$55,000		\$532,500	
Importance Code A	\$10,300		\$267,300	
Importance Code B			\$265,200	
Importance Code C	\$44,800			
Total	\$55,000		\$532,500	



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Current R	epair	Futur	e Replacement	Maintenance		
% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
400-						
100%						
100%		LIFE	* *			
Efflorescence, Extent Location: Througho Leakage, Extent: Ligh	: Light, Area Affed out nt, Area Affected :	cted : 25%				
100%						
100%		LIFE	* *			
100%						
10070						
70%		LIFF	* *			
	\$152,900		* *			
Location : Througho Leakage, Extent : Ligh	out ht, Area Affected :		6			
100%		LIFE	* *			
100%		LIFE	* *			
100%		LIFE	* *			
Cracks, Extent : Mode	rate, Area Affecte		\$853,700	4	\$18,100	
		2026 ected : 30	\$569,100	4	\$18,100	
	-	LIFE d : 70%	* *			
100% Vegetation Growth, E. Location : At End Aj		LIFE Area Affe	* * ected : 50%			
	100% 100% 100% 100% 75% 25% 4+ Efflorescence, Extent : Location : Througho Leakage, Extent : Light Location : Througho 100% 100	Total (Years) 100% 100% 75% 25% 4+ \$323,600 Efflorescence, Extent: Light, Area Affected: Location: Throughout Leakage, Extent: Light, Area Affected: Location: Throughout 100% 100% 70% 30% 4+ \$152,900 Efflorescence, Extent: Light, Area Affected: Location: Throughout Leakage, Extent: Light, Area Affected: Location: Throughout Leakage, Extent: Light, Area Affected: Location: Throughout 100% 100% 60% 4+ \$17,100 Cracks, Extent: Moderate, Area Affected: Location: Throughout 40% 2-4 \$170,700 Settlement, Extent: Moderate, Area Affected: Location: At End Approach 100% Rust Stains, Extent: Light, Area Affected: Location: Throughout 100% Vegetation Growth, Extent: Moderate, Affected: Location: Throughout	Notal Fail Date Estimated Cost Year FY	Total Fail Date Estimated Cost FY Estimated Cost Total Total Fy Estimated Cost FY Fy Estimated Cost FY Fy Fy Fy Fy Fy Fy Fy	No of Fail Date Estimated Cost Year Estimated Cost Cycle Total (Years) Estimated Cost FY Estimated Cost Cycle Cyre Cyre	Total Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs)

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	Futur	e Replacement	М		
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Approaches						
Guide Railing Concrete	100% 4+ \$5,50 Spalling, Extent : Light, Area Affecte Location : Throughout		* *	4	\$4,600	
Steel	100% Other Observation, Extent: Light, A Location: Right Side Of Beginning Explanation: Steel On Right Side	Approach		2-8	\$5,800	
Median						
Concrete	100% 4+ \$4,70 Cracks, Extent: Light, Area Affected Location: Throughout Spalling, Extent: Light, Area Affected	l : 30% ed : 10%	* *			
- III	Location: Random Locations Thro	pugnout				
Railings/Parapets Steel	100% Rust Stains, Extent : Light, Area Affe Location : Throughout	LIFE ected : 40%	* *			
Sidewalks						
Concrete Concrete	90% 10% 4+ \$2,60 Cracks, Extent : Light, Area Affected Location : At End Approach		* *			
Piers						
Cap Beam Masonry	100%	LIFE	* *			
Stem,Solid Pier Granite	90%	LIFE	* *			
Granite	10% 4+ \$169,40 Efflorescence, Extent : Light, Area A Location : Throughout					
	Leakage, Extent : Light, Area Affecto Location : Throughout					
	Vegetation Growth, Extent: Light, A Location: Random Locations Thro		! : 15%			
Brngs,Ancr Blts,Pads Steel	100%	LIFE	* *	2-8	\$5,500	
Footings Not Accessible	100%					
Mat (scour & erosion) Earth	100%	LIFE	* *			
Pedestals Steel	100% Corrosion, Extent : Light, Area Affec Location : Throughout	LIFE cted : 100%	* *			
Piles Not Accessible	100%					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

ridge Structure	Current Repair	Future	Replacement	M	aintenance	
ystem Component Type	% of Fail Date Estimated (Total (Years)	Cost Year I	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eck Elements						
Guide Railing	1000/	200	de de			
Concrete	100% 4+ \$142,		* *			
	Cracks, Extent : Light, Area Affect	ted: 10%				
	Location: Throughout	A A CC 4 - 1 .	. F0/			
	Vegetation Growth, Extent : Light Location : Random Locations Th		3%			
Median	Location : Random Locations Tr	irougnoui				
Concrete	100% 4+ \$99,	900 LIFE	* *	5	\$9,500	
Concrete	Cracks, Extent : Light, Area Affect			3	\$9,500	
	Location: Throughout	ea . 570				
	Spalling, Extent: Light, Area Affe	cted · 2%				
	Location: Random Locations Th					
Railings/Parapets						
Masonry	100% 4+ \$145,	900 2034	* *	5	\$11,800	
,	Other Observation, Extent : Light,		15%		, ,	
	Location : Random Locations Th					
	Explanation: Spalling					
Steel	100% 4+ \$35,	900 LIFE	* *	2-8	\$46,700	
	Corrosion, Extent : Moderate, Are	a Affected : 40%	6			
	Location: Throughout					
Sidewalks						
Concrete	100% 4+ \$15,		* *	5	\$5,200	
	Cracks, Extent : Light, Area Affect					
	Location : Random Locations Th	roughout				
Wearing Surface	4000		** ** * * * * * * * *	_	4.02.000	
Asphalt	100%	2026	\$1,474,900	5	\$103,900	
Concrete	10% 0-2 \$318,		\$1,594,200	5	\$423,300	
	Spalling, Extent: Moderate, Area					
~	Location: Random Locations Th		di di			
Concrete	90% Now \$287,		* *	5	\$423,300	
	Delaminations, Extent : Severe, A.	rea А <u></u> ∏есtеа : 80	770			
	Location: Throughout	Santa 1 . 100/				
	Spalling, Extent: Severe, Area Aff	ectea : 40%				
Caumman	Location: Random Throughout					
Scupper Cast Iron	100%	LIFE	* *			
Cast IfOII	0ther Observation, Extent : Light,					
	Location : Throughout	men mjetieu.	100/0			
	Explanation : Total Of 80 Scupp	ers				
perstructure	Table 1					
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$88,600	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

ridge Structure		Current R	epair	Futur	e Replacement	М	aintenance			
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
perstructure										
Joints										
Steel	70%			LIFE	* *					
Steel	30%	0-2	\$26,300	LIFE	* *					
	Broken/Missing Elements, Extent: Light, Area Affected: 2%									
	Location	: One Joint	Plate At The Mid	span						
	Loose Join	t Plates, Ex	tent : Severe, Ared	ı Affecte	d : 10%					
	Location	Location: Span 5 Westbound								
	Other Obse	ervation, Ex	tent : Severe, Are	a Affecte	d: 10%					
	Location	: Span 5 We	estbound							
	•		Plate Banging Lou ole In The Joint	d Under	Tires Of Traffic A	nd Crack	ss In The Concrete			
Primary Member										
Steel	98%			LIFE	* *	2-8	\$2,469,800			
Steel	2%	4+	\$1,026,500	LIFE	* *	2-8	\$2,469,800			
	Corrosion, Extent : Light, Area Affected : 10%									
	Location	: Througho	ut							
Masonry: Stone	70%			LIFE	* *					
Masonry: Stone	30%	4+	\$920,600	LIFE	* *					
•	Efflorescen	ice, Extent :	Moderate, Area	Affected	: 10%					
	Location	: Througho	ut							
	Leakage, Extent : Moderate, Area Affected : 10%									
	Location	: Througho	ut							
Secondary Member										
Steel	75%			LIFE	* *	2-8	\$2,069,000			
Steel	25%	2-4	\$354,200	LIFE	* *	2-8	\$2,069,000			
	Corrosion,	Extent: Liz	ght, Area Affected	: 20%						
	Location	: Random I	Locations Through	out						

^{**} 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

Area Sq Ft : 29,900 Project Type : WATERWAY BRIDGES

Date of Survey : 07-Nov-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN : 224005A

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure		\$622,200
Total		\$622,200
Importance Code A		\$345,700
Importance Code B		\$276,400
Total		\$622,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure		\$14,200	\$62,400	\$7,400
Total		\$14,200	\$62,400	\$7,400
Importance Code A		\$14,200	\$34,700	
Importance Code B			\$27,700	
Importance Code C				\$7,400
Total		\$14,200	\$62,400	\$7,400



Maintenance \$ are aggregated over a ten-year period. Site 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
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs) Priority
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	100,0		
Not Accessible	100%		
Mat (scour & erosion)	100/0		
Generic	100%	LIFE **	
Generic	100/0	Dir D	

Maintenance \$ are aggregated over a ten-year period. Site 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
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs) Priorit
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 **	
	Other Observation, Extent : Light, Location : Throughout	Area Affected : 100%	
	Explanation: 8 Scuppers		
Superstructure			
Deck,Structural			
Concrete	100%	LIFE **	5 \$30,700
Joints			
Generic	100%	LIFE **	
Primary Member			
Steel	100%	LIFE **	2-8 \$516,300
Secondary Member	1000/	TIEE **	2.9 \$422.500
Steel	100%	LIFE **	2-8 \$432,500

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bridge Structure	\$2,059,200	\$2,420,200
Bridge Electrical		\$1,219,100
Total	\$2,059,200	\$3,639,300
Importance Code A	\$1,175,500	\$1,175,500
Importance Code B	\$883,800	\$2,102,800
Importance Code C		\$361,000
Total	\$2,059,200	\$3,639,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bridge Structure	\$636,400		\$192,100	
Bridge Electrical				
Bridge Mechanical		\$86,200		\$86,200
Total	\$636,400	\$86,200	\$192,100	\$86,200
Importance Code A	\$430,500		\$103,500	
Importance Code B	\$160,900	\$86,200	\$88,600	\$86,200
Importance Code C	\$45,100			
Total	\$636,400	\$86,200	\$192,100	\$86,200



Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4239

Bridge Structure		Current I	Repair	Futur	e Replacement	М	aintenance	
System Component	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Type				<u> </u>				
Abutments								
Bridge Seat&pedestals Concrete	100%			LIFE	* *			
Backwall	100%			LIFE				
Concrete	100%			LIFE	* *			
	100%			LIFE				
Brngs,Ancr Blts,Pads Elastomeric	100%			2056	* *			
	100%			2030				
Footings Not Accessible	100%							
Joint with Deck	100%							
Generic	100%			LIFE	* *			
	100%			LIFE				
Mat (scour & erosion) Not Accessible	100%							
	100%							
Stem (breastwall) Concrete	100%			LIFE	* *			
Granite	100%			LIFE	* *			
	100%			LIFE				
Wingwalls								
Footings Not Accessible	100%							
Mat (scour & erosion)	100%							
Not Accessible	100%							
Piles	100%							
Not Accessible	100%							
Walls	100%							
Concrete	100%			LIFE	* *			
Granite	100%			LIFE	* *			
Feature Crossed	10070			LIIL				
Bank Protection								
Concrete	100%			LIFE	* *			
Riprap	100%			LIFE	* *			
Mat (scour & erosion)	10070			LII L				
Not Accessible	100%							
Pier Protection	10070							
Concrete	100%			LIFE	* *			
Approaches	100/0			LH E				
Pavement								
Concrete	100%			2041	* *	4	\$80,500	
Curbs	10070			2011		•	Ψου,5ου	
Concrete	100%			LIFE	* *			
Concrete		servation. F	Extent : Light, Area		: 1%			
		ı : Both Ap	_	33 . 2.2.00				
			s Are Incorporated	l Into The	e Barrier.			
Embankment	_T							
	100%							
Embankment Not Accessible	100%							

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4239

Bridge Structure	Current Repair	Future Replaceme	ent	M		
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year Estimated (FY	Cost	Cycle (Yrs)	Estimated Cost	Priorit
pproaches						
Guide Railing	1000/	20.44	.11.		440.700	
Concrete	100%	2041	* *	4	\$19,700	
	Other Observation, Extent : Light, A	rea Affected : 1%				
	Location: Both Approaches.	. IO D I GI O	, D	1		
	Explanation: Guide Railing Is Loc					
Steel	100%	LIFE	* *	2-8	\$21,400	
	Other Observation, Extent : Light, An	rea Affected : 1%				
	Location : Both Approaches.	10 0 1 011 045				
	Explanation: Guide Railing Is Loc	ated On Both Sides Of Th	ne Roc	idway.		
Mat (scour & erosion)	1000/					
Not Accessible	100%					
Railings/Parapets	1000/	2041	* *			
Concrete	100%	2041	* *			
	Other Observation, Extent : Light, A	rea Affected : 1%				
	Location: Both Approaches.	1 N 4 C 1				
	Explanation: Pedestrian Railing A					
Steel	100%	LIFE	* *			
	Other Observation, Extent : Light, An	rea Affected : 1%				
	Location: Both Approaches.					
	Explanation : Pedestrian Railing A	long North Side.				
Sidewalks	1000/	LIDE	* *			
Concrete	100%	LIFE	* *			
	Other Observation, Extent : Light, Ai	rea Affectea : 1%				
	Location: Both Approaches.	"1 0 1				
	Explanation : Sidewalk On North S	iae Only.				
ers Cap Beam						
Cap Bealli Concrete	100%	LIFE	* *			
Concrete	Other Observation, Extent : Light, A					
	Location: Piers 1-5, 7 - 12.	ca nyjecica . 170				
	Explanation: Concrete Capbeams					
Steel	100%	LIFE	* *	2-8	\$438,000	
Steel	Other Observation, Extent : Light, A		•	2-8	\$438,000	
	Location: Piers 6, 13, 14.	eu Ajjecieu . 170				
	Explanation: Steel Capbeams					
Pier,Columns	Explanation . Sieel Capbeams					
Concrete	100%	LIFE	* *			
Concrete	Other Observation, Extent : Light, A					
	Location: Piers 2, 3, 12 - 14.					
	Explanation: Concrete Pier Colum	nns.				
Granite	100%	LIFE	* *			
Granne	Other Observation, Extent: Light, A		•			
	Location: Piers 1, 4 - 12.	ca 11/10				
	Explanation: Granite Pier Column	ıc				
	Explanation . Grantle Fier Column					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4239

ridge Structure	Current Repair	Future Replacem	ent	Maintenance		
rstem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	Cost	Cycle (Yrs)	Estimated Cost	Priority
ers						
Stem,Solid Pier						
Granite	100%	LIFE	* *			
	Other Observation, Extent: Light, Area	Affected : 1%				
	Location: Pier 6					
	Explanation : Granite Solid Stem.					
Brngs,Ancr Blts,Pads						
Under Construction	100%					
Footings						
Not Accessible	100%					
Mat (scour & erosion)						
Earth	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	Affected : 1%				
	Location: Spans 9 - 13.					
	Explanation : Earth Mat.					
Pedestals						
Concrete	100%	LIFE	* *			
ck Elements						
Curbs						
Concrete	100%	2056	* *			
	Other Observation, Extent : Light, Area	Affected: 1%				
	Location: Spans 1 - 15.					
~	Explanation: Curb Is Integral With Tr	affic Barrier.				
Guide Railing	1000/	2046	* *			
Concrete	100%	2046	* *			
	Other Observation, Extent: Light, Area	Affected: 1%				
	Location: Spans 1 - 15.	lo palga orm	, D	,		
	Explanation: Guide Railing Is Located			away.		
Steel	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	Affected : 1%				
	Location: Spans 1 - 15.					
	Explanation: Guide Railing Is Located	d On Both Sides Of T	The Roo	adway.		
Railings/Parapets	1000	2044	,,,		**	
Concrete	100%	2041	* *	4	\$95,700	
	Other Observation, Extent : Light, Area	Affected : 1%				
	Location: Spans 1 - 15.					
	Explanation: Pedestrian Railing Along	g North Side Only.				
Steel	100%	LIFE	* *	2-8	\$142,600	
	Other Observation, Extent : Light, Area	Affected : 1%				
	Location: Spans 1 - 15.					
	Explanation : Pedestrian Railing On N	orth Side Only.				
Sidewalks	1000	2026		_		
Concrete	100% 4+ \$18,300	2036	* *	5	\$34,200	
	Cracks, Extent: Light, Area Affected: 5	%				
	Location: Spans 8 - 11.					
	Other Observation, Extent : Light, Area	Affected : 1%				
	Location: Spans 1 - 15.					
	Explanation: Sidewalk On North Side	Only.				

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4239

Bridge Structure	Current Repair	Future Rep	olacement	M		
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year Esti FY	mated Cost	Cycle (Yrs)	Estimated Cost	Priority
Deck Elements						
Wearing Surface						
Concrete	100%	2041	* *	5	\$361,000	
	Other Observation, Extent : Light, A	rea Affected : 1%				
	Location : Spans 1 - 5, & 8 - 15.					
	Explanation: Concrete Wearing St					
Steel Grating	100%	LIFE	* *	5		
	Other Observation, Extent : Light, A	rea Affected : 1%				
	Location: Spans 6 & 7.					
	Explanation: Steel Grating Wearing	ng Surface.				
Superstructure						
Deck,Structural						
Concrete	100%	LIFE	* *	5	\$166,800	
	Other Observation, Extent : Light, A	rea Affected : 1%				
	Location : Spans 1 -5, & 8 - 15.					
	Explanation: Concrete Deck.					
Steel Grating	100%	LIFE	* *	5	\$132,700	
	Other Observation, Extent: Light, A	rea Affected : 1%				
	Location: Spans 6 & 7.					
	Explanation: Steel Grating In Swit	ng Spans				
Joints						
Generic	100%	LIFE	* *			
	Other Observation, Extent : Light, A					
	Location: Piers 2, 4, 5, 7, 8, 10, 1.	1, 13 & 14.				
	Explanation : Joints.					
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	Ma	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year F 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	* *			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4239

Bridge Electrical	Curre	nt Repair	Futur	e Replacement	M	aintenance	
System	% of Fail Da	ate Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
Component Type	Total (Year		FY		(Yrs)		
Control System Electrical	l		<u> </u>				
Disconnect Switch							
Non Fused	100%		2046	* *			
Limit Switch	10070		2010				
Rotary	100%		2026	\$70,600			
Electrical Power	10070		2020	Ψ10,000			
Transfer Switch							
Auto	100%		2046	* *			
Transformer	10070		2010				
Dry	100%		2046	* *			
Dist Equip & Motor Controll	10070		2040				
Generic General	100%		2046	* *			
Ground/Lightning Protection	10070		2040				
Ground Bus							
Copper	100%		2031	* *			
Ground Rod	10070		2031				
Copper	100%		2026	\$41,400			
Ground Wire	10070		2020	Ψ11,100			
Green	100%		2031	* *			
Copper Down Contactor	100%		2031	* *			
Lightning Terminals	10070		2031				
Copper	100%		2026	\$98,300			
Power Over 600V	10070		2020	Ψ70,500			
Service Equipment							
Fused Switch	100%		2046	* *			
Transformer	10070		2010				
Dry	100%		2046	* *			
Raceway	10070		2010				
Conduit							
Metal	100%		2066	* *			
Submarine Control Cables	10070						
Control	100%		2031	* *			
Wires	10070						
Thermoplastic	100%		2046	* *			
Span Lock							
Motor							
Squirrel Cage	100%		2041	* *			
Stand-by Power							
Transfer Switch							
Auto	100%		2046	* *			
Traffic System Electrical							
Barrier Gate Lighting							
Incandescent	100%		2026	\$29,400			
Traffic Gate Lighting				•			
Incandescent	100%		2026	\$29,400			
Lighting							
Lighting Devices							
Generic	100%		2031	* *			
-							

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

Asset #: 4239

idge Mechanical	Current Repair	Futur	e Replacement	Maintenance					
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
ing									
Center Latch									
Generic	100%	2066	* *	2	\$22,500				
	Other Observation, Extent : Light, Area	Affected	1:5%						
	Location: Center Latches								
	Explanation: No Operation Observed	. Minor I	Leakage And Bar L	Pry. Cont	ractor To				
Center Lift	Address.								
Generic	100%	2066	* *	2	\$26,900				
Generic	Other Observation, Extent : Light, Area			2	\$20,900				
	Location : Center Lift	Ајјестеи	. 170						
	Explanation : No Operation Observed	,							
Center Pivot	Explanation . No Operation Observed	•							
Generic	100%	2066	* *	2	\$67,400				
Generie	Other Observation, Extent : Light, Area		1:2%	-	φον, του				
	Location : Center Pivot								
	Explanation: No Operation Observed. Minor Leakage And Breather Saturated. Contractor								
	To Address.								
Emergency Drive									
Emergency Power	100%	2066	* *	2	\$44,900				
	Other Observation, Extent: Light, Area Affected: 2%								
	Location: Emergency Drive Hpu Explanation: No Operation Observed. Small Crack In Hpu Engine Belt Cover. Exhaust								
	Explanation : No Operation Observed May Need To Be Sealed. Contractor T			ie Belt C	over. Exhaust				
End Lift	may reca to be beared. Commeter t	0 11447 05							
Generic	100%	2066	* *	2	\$44,900				
	Other Observation, Extent : Light, Area	Affected	! : 1%		. ,				
	Location: End Lifts								
	Explanation : No Operation Observed	<u>'</u> .							
Fuel Tanks									
Generic	100%	2046	* *						
Houses									
Access Ways	100%	2066	* *						
Control House	100%	2066	* *						
	Other Observation, Extent: Light, Area Affected: 2%								
	Location: Control House And Abo House								
	Explanation: Control Room Door Kn Contractor To Address.	ob Loose	. No Hot Water Ob	served Ii	n Abo House.				
HVAC	100%	2066	* *						
Machinery Room	100%	2066	* *						
-	Other Observation, Extent : Light, Area	Affected	! : 1%						
	Location: Machinery Room								
	Explanation: Small Leak In Ceiling C	f Machir	nery Room. Fire Ex	tinguish	er Missing 1 Out				
	Of 4 Doors. Contractor To Address.								

Maintenance \$ are aggregated over a ten-year period. Site 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 Mechanical	Current Rep	pair Futu	re Replacement	M	aintenance		
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
wing							
Main Drive System							
Generic	100%	2066	* *	2	\$224,500		
	Other Observation, Exte	. 55	ected : 2%				
	Location : Operating N	Machinery					
	-	ration Observed. Minor I L. Contractor To Address		Paint Rep	air Required,		
Rack							
Generic	100%	LIFE	* *				
	Other Observation, Exte Location : Rack	nt : Light, Area Affectea	l : 10%				
	Explanation : No Oper Address	ration Observed. Some S	pots Dry Of Lubric	ant. Con	tractor To		
Traffic Devices							
Barrier Gate	100%	2041	* *				
	Other Observation, Exte	ent : Severe, Area Affecte	ed : 1%				
	Location : Barrier Gat	tes, Observed From Nort	th Sidewalk Only				
	Explanation: No Oper Contractor To Address	ration Observed. Some G s.	Guy Wire Need Repo	air And (Or Adjustment.		
Signals	100%	2041	* *				
Warning Gate	100%	2041	* *				
-	Other Observation, Extent : Light, Area Affected : 1%						
	Location : Warning Gates, Observed From North Sidewalk Only						
	Explanation : No Oper Address.	ation Observed. Some A	djustments May Be	Require	d. Contractor To		

^{**} 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 : COAL DOCK -TIMBER PILE SUPPORTED CONCRETE PIER

Address : HART ISLAND

Borough : BRONX Agency's Number : N/A

 $Program \, / \, Asset \, \# \quad : \, \, DOT0128.018 \, / \, 1790 \qquad \qquad Yr \, Built/Renovated \quad : \, \,$

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	
Total	\$373,800	
Importance Code A	\$198,100	
Importance Code B	\$175,700	
Total	\$373,800	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$33,200			
Total	\$33,200			
Importance Code A	\$30,000			
Importance Code B	\$3,200			
Total	\$33,200			



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural						
Deck	500/	LIEE	* *	5	¢14.500	
Concrete	50% Cracking, Extent: Light, Area Affected Location: Isolated Throughout Spalling, Extent: Light, Area Affected: Location: Isolated Throughout			5	\$14,500	
Concrete	20% 4+ \$89,000 Spalling, Extent: Severe, Area Affected Location: At Loading Ramp And At N Surface Wearing/Scaling, Extent: Mode Location: At Construction Joints On N Other Observation, Extent: Severe, Are Location: At Shoreline Abutment Explanation: Undermining	orthwest erate, Are North Side	a Affected : 50% e Of Pier	5	\$2,900	
Not Accessible	30%					
Pile Caps Timber	55% Rotting/Splitting, Extent : Light, Area A Location : Throughout	LIFE ffected : 3	**	4	\$50,300	
Not Accessible	45%					
Piles and Bracing Timber	30% 4+ \$109,100 Rotting/Splitting, Extent : Moderate, Ar Location : Trestle And Pier Head	LIFE ea Affecte	** d:60%	4-5	\$10,400	
Timber	20% Rotting/Splitting, Extent : Light, Area A Location : Throughout	LIFE ffected : 4	**	4-5	\$13,000	
Not Accessible	50%					
ender						
Wales and Chocks Timber	65% Now \$62,100 Missing Part, Extent : Severe, Area Affe Location : Throughout	2041 ected : 100	* *	4	\$19,400	
No Component	35%					
Piles						
Timber	30% Now \$113,600 Missing Part, Extent: Severe, Area Affe Location: Offshore End Rotting/Splitting, Extent: Severe, Area A Location: Offshore End			4	\$4,100	
No Component	20%					
Not Accessible	50%					

Maintenance \$ are aggregated over a ten-year period. Site 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 Re	pair F	uture Replacement	M	aintenance	
System Component Type	% of Fail Date E Total (Years)		ear Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender						
Pile Cluster						
Timber	85%	20)24	4-10		
	Rotting/Splitting, Extend	t : Moderate, Area A	ffected : 25%			
	Location: In Tidal Zo	ne				
Not Accessible	15%					
Deck Elements						
Coping/Curb						
Timber	10% Now	\$3,200 L1	FE **	•		
	Missing Part, Extent : S	'evere, Area Affected	: 50%			
	Location : Several Sec	ctions Throughout Pi	er			
	Rotting/Splitting, Exten	t : Severe, Area Affec	rted : 50%			
	Location : Several Sec	ctions Throughout Pi	er			
Timber	90%	L	FE **	•		

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

 $Program / Asset \# \quad : \ DOT0199.020 \, / \, 14638 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 6,446 Project Type : FERRIES

Date of Survey : 15-Apr-2013 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers		\$49,600
Total		\$49,600
Importance Code A		\$49,600
Total		\$49,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers			\$11,500	_
Total			\$11,500	
Importance Code A				
Importance Code B			\$7,600	
Importance Code C			\$3,900	
Total			\$11,500	



Maintenance \$ are aggregated over a ten-year period. Site 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 STREET PIER

Asset #: 14638

Piers		Current Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estimated Cos (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	
	Corrosion	, Extent : Light, Area Affect	ed : 40%				
	Location	a: Throughout Tidal Zone C	n H-piles				
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				

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

 $Program / Asset \# \quad : \ DOT0128.015 / \ 1815 \qquad \qquad Yr \ Built/Renovated \quad : \\$

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	
Total	\$331,300	
Importance Code A	\$331,300	
Total	\$331,300	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$65,400			
Total	\$65,400			
Importance Code A	\$65,400			
Total	\$65,400			



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

iers	Current Repair	Future Replace	ment	M	aintenance	
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimate FY	d Cost	Cycle (Yrs)	Estimated Cost	Priority
ructural						
Deck						
Concrete	25% 4+ \$144,600 Corrosion of Reinforcement, Extent : Se	LIFE	* *	5	\$4,700	
	Location: Throughout Underside Of 1		. 100%			
	Spalling, Extent: Severe, Area Affected					
	Location : Throughout Underside Of I					
Concrete	75%	LIFE	* *	5	\$28,200	
	Cracking, Extent : Light, Area Affected				, -,	
	Location: Throughout Deck Surface A	And Curbs				
	Spalling, Extent: Light, Area Affected:					
	Location: Underside And Deck Surfac					
	Surface Wearing/Scaling, Extent : Light Location : Throughout Surface	t, Area Affected : 10	10%			
Firewalls	Location : Inroughout Surface					
Concrete	50% Now \$26,300	LIFE	* *	5	\$600	
	Broken, Extent : Severe, Area Affected :				+	
	Location : Bottom Half Of Firewall A	Bents 10 And 19				
Concrete	50% 4+ \$15,800	LIFE	* *	5	\$600	
	Cracking, Extent : Moderate, Area Affec					
	Location : Top Half Of Firewall At Be	ents 10 And 19				
Pile Caps	100/ 4.	LIEE	* *	4	¢7,000	
Timber	10% 4+ \$50,100	LIFE	4. 4.	4	\$7,900	
	Rotting/Splitting, Extent : Severe, Area Affected : 80% Location : At North And South Ends Of Caps					
	Other Observation, Extent : Moderate, A		ó			
	Location: At North And South Ends C					
	Explanation: Rotting, Splitting					
Timber	90%	LIFE	* *	4	\$107,000	
	Rotting/Splitting, Extent : Light, Area A	ffected : 10%				
	Location : Throughout					
Piles and Bracing	400/	LIFE	* *	1 5	¢22.700	
Timber	40% Rotting/Splitting, Extent: Light, Area A		4. 4.	4-5	\$33,700	
	Location: Piles Throughout	geerea : 10070				
Timber	30% 4+ \$94,600	LIFE	* *	4-5	\$13,600	
Timoci	Rotting/Splitting, Extent : Moderate, Ar			43	Ψ13,000	
	Location : Above Mhw Throughout	30				
	Other Observation, Extent : Severe, Are	a Affected : 15%				
	Location: Above Mhw Throughout					
	Explanation: Rotting, Splitting					
Not Accessible	30%					

Deck Elements

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority

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

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

Area Sq Ft : 49,870 Project Type : FERRIES

Date of Survey : 04-Mar-2013 Landmark Status : NONE

Areas Surveyed :

Block : 1 Lot : 70 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers	\$316,700	\$414,300
Total	\$316,700	\$414,300
Importance Code A	\$168,300	\$92,000
Importance Code C	\$148,500	\$322,300
Total	\$316,700	\$414,300

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$52,300			
Total	\$52,300			
Importance Code A	\$45,700			
Importance Code B	\$1,000			
Importance Code C	\$5,600			
Total	\$52,300			



Maintenance \$ are aggregated over a ten-year period. Site 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	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
tructural Deck							
Concrete	2% Now Cracking, Extent : M Location : At East A Exposed Reinforcem	And Throughout		* *	5	\$1,900	
	Location : Underde						
Concrete Not Accessible	97% 1% Other Observation, E Location : At South Explanation : Unde	Side Of Pier	LIFE Affected:	* *	5	\$90,100	
Pile Caps	1	8					
Concrete	25% 4+ Spalling, Extent : Sev Location : Delamin			* * ut Concrete Enco	5 used Stee	\$800	
Timber	75%		LIFE	* *	4	\$293,900	
Piles and Bracing	7070				-	42 50,500	
Caissons	5% 4+ Other Observation, E Location : Mid-pier Explanation : Missi	r Stone Masonry Su	pport Bent		5	\$3,100	
Timber	20% Rotting/Splitting, Ext Location : Isolated	tent : Light, Area Aj	LIFE ffected : 5%	* *	4-5	\$44,700	
Not Accessible	75% Other Observation, E Location : Through Explanation : 15 Pe	out Pier	Affected : (0%			
ender							
Pile Cluster Timber	20% Now Broken, Extent : Seve Location : In Tidal Loose Wrapping, Ext	Zone		* * * : 25%	4	\$11,200	
	Location : Above M		33				
Timber Not Accessible	20% 60%		2025	\$247,500	4-10	\$91,700	
eck Elements Railing			2022				
Steel Coping/Curb	100%		2023				
Timber Timber	99% 1% Now Missing Part, Extent	\$1,000 : Severe, Area Affe	LIFE LIFE cted: 100%	* * * *			
	Location: Missing						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers	\$87,500	\$74,200
Total	\$87,500	\$74,200
Importance Code A	\$38,100	
Importance Code C	\$49,500	\$74,200
Total	\$87,500	\$74,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$136,600	\$11,300		
Total	\$136,600	\$11,300		
Importance Code A	\$52,100			
Importance Code B	\$84,500	\$9,600		
Importance Code C		\$1,700		
Total	\$136,600	\$11,300		



Maintenance \$ are aggregated over a ten-year period. Site 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	Current Repair Future Rep		e Replacement M		aintenance	
system Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
tructural Deck							
Concrete	2% 4+	\$27,900	LIFE	* *	5	\$900	
	Cracking, Extent: M			í			
	Location : Center I	=					
	Spalling, Extent : Mo		ted : 10%	ó			
	Location : Southwe	st Side Of Pier					
Concrete	73%		LIFE	* *	5	\$33,100	
Not Accessible	25%						
Firewalls	1000/		r ree	* *	-	Φ2.700	
Concrete	100%		LIFE	* *	5	\$2,700	
Pile Caps Timber	98%		LIFE	* *	4	\$187,500	
Timber	2% 2-4	\$24,200	LIFE	* *	4	\$3,800	
Timoci	Rotting/Splitting, Ext				4	Ψ3,600	
	Location : Ends Of			20,0			
Piles and Bracing		33 1					
Timber	2% Now	\$38,100	LIFE	* *	4-5	\$2,200	
	Broken, Extent : Mod	lerate, Area Affecte	ed: 50%				
	Location : Through	out					
Timber	28%		LIFE	* *	4-5	\$30,500	
Not Accessible	70%						
	Other Observation, I	Extent : Light, Area	Affected	: 0%			
	Location :						
	Explanation: 15%	Encased					
ender							
Buffer Rubber	100%		2033	* *	4-5	\$30,700	
Wales and Chocks	100%		2033		4-3	\$30,700	
Timber	90%		2033	* *	4	\$75,000	
Timber	10% 4+	\$22,200	2033	* *	4	\$5,600	
Timoci	Rotting/Splitting, Ext			ed : 50%	-	Ψ3,000	
	Location : Through		33				
	Worn, Extent : Mode		: 50%				
	Location : Through						
	Other Observation, I	Extent : Severe, Are	a Affecte	d : 25%			
	Location : Isolated	Locations Between	The Pie	r Deck And The Fe	ender Sys	tem	
	Explanation : Steel	Connecting Hardw	are Not	Connected			
Piles				_	_		
Timber	2% Now	\$14,100	2039	* *	4	\$500	
	Broken, Extent : Seve		100%				
	Location: Through	our	2022				
Timber	33%		2033	* *	4	\$12,700	
Not Accessible	65%						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 FERRY MAINTENANCE FACILITY PIER B1

Piers		Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender								
Pile Cluster								
Timber	30%			2022	\$74,200	4-10	\$27,500	
			erate, Area Affected	: 25%				
	Location	: Tidal Zo	one					
Timber	20%	Now	\$49,500	2029	* *	4	\$2,200	
	Broken, Ex	tent : Seve	ere, Area Affected :	100%				
	Location	: Broken	Piles In Tidal Zone					
	Loose Wra	pping, Ex	tent : Moderate, Ar	ea Affect	ed : 25%			
	Location	: At North	nwest End					
Not Accessible	50%							
Deck Elements								
Coping/Curb								
Concrete	8%			LIFE	* *			
Concrete	2%	2-4	\$10,000	LIFE	* *			
	Broken, Ex	tent : Mod	derate, Area Affecte	d : 50%				
	Location	: North E	nd					
Timber	89%			LIFE	* *			
Timber	1%	Now	\$5,100	LIFE	* *			
	Broken, Extent: Severe, Area Affected: 100%							
	Location	: Isolated	Throughout					
	Rotting/Sp.	litting, Ex	tent : Severe, Area I	Affected	: 50%			
		0	Throughout					

^{**} 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers	\$301,700	\$121,400
Total	\$301,700	\$121,400
Importance Code A	\$184,800	\$121,400
Importance Code B	\$116,900	
Total	\$301,700	\$121,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$55,600	\$15,900		
Total	\$55,600	\$15,900		
Importance Code A				
Importance Code B	\$55,600	\$15,900		
Total	\$55,600	\$15,900		



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
tructural						
Deck				_		
Concrete	75% Cracking, Extent : Light, Area Affec	LIFE ted: 2%	* *	5	\$85,600	
	Location: Throughout					
	Spalling, Extent : Light, Area Affect	ed : 2%				
	Location: Throughout Perimeter					
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+ \$89,10		* *	5	\$18,800	
	Corrosion, Extent : Light, Area Affe					
	Location : Above Mean Low Wate					
Timber	2% 4+ \$95,70		* *	4-5	\$5,500	
	Rotting/Splitting, Extent: Moderate	, Area Affecte	d : 20%			
	Location: Throughout					
Timber	16%	LIFE	* *	4-5	\$43,900	
Not Accessible	80%					
	Other Observation, Extent : Light, A	Area Affected	: 0%			
	Location: Throughout					
	Explanation: 20 Percent Of Piles	Are Encased				
ender						
Buffer	1000/	2022	* *	1.5	\$50,000	
Rubber	100%	2033	-11-	4-5	\$50,800	
Wales and Chocks Timber	45%	2033	* *	4	\$62,200	
Timber	5% 4+ \$22,10		* *	4 4	\$4,600	
Timber	Worn, Extent : Moderate, Area Affec			4	\$4,000	
	Location: Throughout	ieu . 2070				
	Other Observation, Extent: Severe,	Area Affected	1 · 5%			
	Location : At 5 Percent Of Location			der Syste	om.	
	Explanation: Steel Connecting Ho					
Not Accessible	50%					
Piles	5070					
Timber	8% 4+ \$93,50	00 2039	* *	4	\$3,400	
Timoer	Worn, Extent : Moderate, Area Affe			-	Ψ5,400	
	Location : Above Mean Low Wate					
Timber	2% Now \$23,40		* *	4	\$900	
IIIIOCI	Broken, Extent : Severe, Area Affect			7	Ψ϶θθ	
	Location : At One Location	. 100/0				
Timber	30%	2033	* *	4	\$19,200	
Not Accessible	50% 60%	2033		4	\$19,200	
Not Accessible	UU70					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 FERRY MAINTENANCE FACILITY PIER B2

Piers	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cor FY	ct Cycle Estimated Cost (Yrs)	Priority
Deck Elements				
Coping/Curb				
Concrete	5%	LIFE *	*	
Timber	95%	LIFE *	*	
	Rotting/Splitting, Extent : Light, Area Aj	ffected : 20%		
	Location: Throughout			

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 / 4340Yr Built/Renovated: 1906 / 2000Area Sq Ft: 31,800Project Type: FERRIESDate of Survey: 14-Oct-2014Landmark Status: NONE

Areas Surveyed :

Block : 36 Lot : 18 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers		\$1,178,100
Total		\$1,178,100
Importance Code B		\$1,178,100
Total		\$1,178,100

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$20,900		\$32,000	\$10,900
Total	\$20,900		\$32,000	\$10,900
Importance Code A	\$8,000			
Importance Code B	\$5,900		\$32,000	
Importance Code C	\$6,900			\$10,900
Total	\$20,900		\$32,000	\$10,900



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	M	aintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
tructural						
Deck	5 0/	LIDE	ماد ماد	-	Φ	
Concrete	5%	LIFE	* *	5	\$5,900	
Not Accessible	95%					
Deck Surface	1000/	2025	* *	-	Φ21.000	
Concrete	100%	2035	* *	5	\$21,800	
	Cracking, Extent: Light, Area Affect	tea : 2%				
	Location: Throughout	. 1 . 4 . 40	. 1 100/			
	Surface Wearing/Scaling, Extent: L	ignt, Area Aff	ectea : 10%			
	Location : Throughout					
Pile Caps	20/	LIDE	* *	-	#100	
Concrete	2%	LIFE	* *	5	\$100	
	Spalling, Extent : Moderate, Area Aj					
	Location : Offshore Structure Sout	п ғасе				
Not Accessible	98%					
Piles and Bracing						
Concrete	5%	LIFE	* *	5	\$10,100	
Not Accessible	95%					
ender						
Wales and Chocks						
Timber	75%	2035	* *	4	\$51,300	
No Component	25%					
Piles						
Timber	40%	2039	**	4	\$12,600	
	Recent Repair Evident, Extent : Ligh	it, Area Affec	ted : 10%			
	Location : Offshore Face					
No Component	25%					
Not Accessible	35%					
Pile Cluster						
Timber	35% 4+ \$6,90		* *	4	\$800	
	Broken, Extent : Severe, Area Affect					
	Location: Spacer Piece On One 3					
	Other Observation, Extent: Severe,	Area Affectea	l : 15%			
	Location : Southeast Cluster					
	Explanation : Loose Cable					
Not Accessible	65%					
eck Elements						
Railing						
Steel	95%	2025	\$1,119,200			
	Corrosion, Extent : Light, Area Affect Location : Throughout	cted : 5%				
Steel	5% 4+ \$5,90	00 2024	\$58,900			
	Displaced Elements, Extent: Moder					
	Location : Mid Point On North Sid					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers		\$99,500
Total		\$99,500
Importance Code B		\$99,500
Total		\$99,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$30,200			
Total	\$30,200			
Importance Code A	\$28,400			
Importance Code B	\$1,800			
Total	\$30,200			



Maintenance \$ are aggregated over a ten-year period. Site 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

Piers	Current	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural							
Deck							
Concrete	30%		LIFE	* *	5	\$9,400	
	Discolor & Bleeding Location : Deck Si	_	ea Affecte	ed : 25%			
Steel	40%		2027	* *	5	\$28,000	
Not Accessible	30%						
Pile Caps							
Concrete	70%		LIFE	* *	5	\$800	
Not Accessible	30%						
Piles and Bracing							
Concrete	35%		LIFE	* *	5	\$18,600	
Not Accessible	65%						
Fender Piles							
Timber	10%		2022	\$99,500	4	\$5,400	
	Rotting/Splitting, Ex Location : Piles Al	tent : Light, Area A <u>j</u> long West Face Only		10%			
No Component	85%						
Not Accessible	5%						
Deck Elements							
Railing							
Steel	10%		2025				
Fiberglass	70%		2030	* *			
No Component	20%						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Area Sq Ft : 34,500 Project Type : FERRIES

Date of Survey : 10-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 2 Lot : 1 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers	\$197,000	\$159,100
Total	\$197,000	\$159,100
Importance Code A	\$159,100	\$159,100
Importance Code B	\$37,900	
Total	\$197,000	\$159,100

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$32,100			\$700
Total	\$32,100			\$700
Importance Code A	\$32,100			
Importance Code B				\$700
Total	\$32,100			\$700



Maintenance \$ are aggregated over a ten-year period. Site 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

Piers	Current Repair	Futur	e Replacement	Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural						
Deck						
Concrete	50%	LIFE	* *	5	\$64,300	
	Cracking, Extent : Light, Area Affected	: 10%				
	Location : Isolated Throughout					
Not Accessible	50%					
Piles and Bracing						
Steel	30%	LIFE	* *	5	\$318,200	
	Corrosion, Extent : Moderate, Area Aff	ected : 25	5%			
	Location: Above Mlw					
Not Accessible	70%					
Coping/Curb						
Concrete	20%	LIFE	* *			
	Cracking, Extent : Light, Area Affected	: 10%				
	Location : North End					
No Component	80%					
Fender						
Facing						
Timber	10% 0-2 \$37,900	2041	* *	3	\$2,200	
	Displaced Elements, Extent: Severe, A	rea Affect	ed : 30%			
	Location : Wharf Face					
No Component	90%					
Deck Elements						
Railing						
Fencing	90%	2030	* *	3		
No Component	10%					

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

 $Program / Asset \# \quad : \ DOT0194.000 / \ 13900 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 35,300 Project Type : FERRIES

Date of Survey : 09-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 1 Lot : 68 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Piers	\$278,200	\$352,800
Total	\$278,200	\$352,800
Importance Code A	\$278,200	\$352,800
Total	\$278,200	\$352,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Piers	\$93,200		\$23,800	\$8,500
Total	\$93,200		\$23,800	\$8,500
Importance Code A	\$62,500			
Importance Code B	\$30,600		\$17,900	
Importance Code C			\$5,800	\$8,500
Total	\$93,200		\$23,800	\$8,500



Maintenance \$ are aggregated over a ten-year period. Site 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 Re	pair Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date F Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
tructural						
Deck	500/	LIDE	ماد ماد	~	Φ.σ., 0.0.0	
Concrete	50% Cracking, Extent : Ligh Location : Throughou		**	5	\$65,800	
Not Accessible	50%					
Deck Surface Asphalt	30% Cracking, Extent : Ligh Location : Isolated Th	==	* *	5	\$11,700	
Concrete	70% Cracking, Extent : Ligh Location : Isolated Th	2035 at, Area Affected : 5%	* *	5	\$16,900	
Pile Caps						
Concrete	90% Spalling, Extent : Light Location : Isolated Oj		* *	5	\$4,300	
Timber	10%	LIFE	* *	4	\$41,600	
Piles and Bracing Steel	Location: Throughou	\$278,200 LIFE derate, Area Affected : 25 at Tidal Zone ent : Severe, Area Affecte		5	\$352,800	
	Location: Throughou					
Timber Not Accessible	10% 25%	LIFE	* *	4-5	\$29,500	
ender						
Wales and Chocks Timber No Component	65% 35%	2035	* *	4	\$31,400	
Piles Timber		\$30,600 2041 rate, Area Affected : 30% troughout South Wharf	* *	4	\$1,100	
Timber No Component Not Accessible	20% 35% 40%	2035	* *	4	\$4,500	
eck Elements Coping/Curb Timber No Component	90% 10%	LIFE	* *			

Maintenance \$ are aggregated over a ten-year 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

 $Program / Asset \# \quad : \ DOT0127.030 / 1809 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Linear Ft : 580 Project Type : FERRIES

Date of Survey : 13-Oct-2014 Landmark Status : NONE

Areas Surveyed :

Block : 184 Lot : 8 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads		\$135,600
Total		\$135,600
Importance Code B		\$135,600
Total		\$135,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$12,300			_
Total	\$12,300			
Importance Code A	\$12,300			
Total	\$12,300			



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 BULKHEAD, PIER 26

Bulkheads	Curren	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural							
Gravity Wall							
Stone	25%		LIFE	* *	5	\$24,600	
	Cracking, Extent: I	Light, Area Affected .	10%				
	Location: In Con	crete Cap Element					
	Missing Block Seal,	Extent : Light, Area	Affected	! : 35%			
	Location : Throug	hout					
Not Accessible	75%						
Backfill							
Fill							
Not Accessible	100%						
Surface							
Stone	65%		2039	* *	10		
Under Construction	35%						
Deck Elements							
Railing							
Steel	25%		2025	\$135,600			
No Component	75%						

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
Total	\$200		\$1,800	\$400
Importance Code B			\$1,800	\$400
Importance Code C	\$200			
Total	\$200		\$1,800	\$400



^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 BULKHEAD, WHITEHALL FERRY TERM.

Bulkheads	Current Repair	r Future Rep	olacement	Maintenance	
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year Esti FY	mated Cost Cycle (Yrs)	Estimated Cost	Priority
Structural					
Gravity Wall					
Not Accessible	100%				
Revetment					
Stone	10%	LIFE	** 5	\$500	
No Component	90%				
Backfill					
Fill					
Not Accessible	100%				
Surface					
Asphalt	60%	2039	** 5	\$2,700	
	Surface Wearing/Scaling, I	Extent : Light, Area Affected	1: 25%		
	Location : Isolated				
Asphalt Pavers	20%	2039	** 5	\$900	
Concrete	20%	2035	** 5	\$900	

Maintenance \$ are aggregated over a ten-year 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$1,152,900	
Total	\$1,152,900	
Importance Code A	\$858,300	
Importance Code B	\$294,700	
Total	\$1,152,900	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$5,900		\$800	
Total	\$5,900		\$800	
Importance Code A	\$1,100			
Importance Code B	\$4,800		\$800	
Total	\$5,900		\$800	



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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 l	Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural							
Relieving Platform Top Concrete	15% 2-4	\$162,200	LIFE	* *	5	\$400	
Concrete	Erosion, Extent : Sev Location : At Vertic	ere, Area Affected	: 25%		3	ψ100	
Concrete	45%		LIFE	* *	5-10	\$2,200	
Timber	35% Now Other Observation, E Location: Western Explanation: Colla	250 Ft		* * l : 100%	4-5	\$7,500	
Timber	5% 4+ Rotting/Splitting, Ext Location: Between	\$54,100 tent : Moderate, Ar	LIFE ea Affecte		4-5	\$1,100	
Piles and Bracing							
Timber	35% Now Broken, Extent : Seve Location : Western			* * Vlatform	4	\$34,300	
Not Accessible	65%						
Backfill Fill							
Stone	35% Now Loss of Backfill, Exte Location : Western		LIFE ffected : 1	* *	5	\$200	
Not Accessible	65%						
Surface							
Asphalt	10%		2029	* *	5	\$700	
Topsoil	35% Now Missing Part, Extent Location: Western		2026 ected : 509	\$12,000	5	\$500	
Topsoil	30% Other Observation, E Location: Eastern Explanation: Vege	400 Ft	2024 Affected	\$10,300	5	\$900	
Not Accessible	25%						
Fender Piles							
Timber	100% Now Broken, Extent: Seve Location: Through Missing Part, Extent Location: Through	out : Severe, Area Affe		**	4	\$15,700	1
Wales and Chocks Timber	100% Now Missing Part, Extent Location: Through		2041 ected : 100	**	4	\$35,500	

Maintenance \$ are aggregated over a ten-year 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

 $Program \, / \, Asset \, \# \quad : \, \, DOT0128.016 \, / \, 1816 \qquad \qquad Yr \, Built/Renovated \quad : \, \,$

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
Total	\$3,600			\$300
Importance Code A	\$3,500			
Importance Code B				\$300
Importance Code C	\$100			
Total	\$3,600			\$300



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current Repair	Future Repla	cement	М	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estim	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural						
Gravity Wall						
Stone	75%	LIFE	* *	5	\$7,000	
	Other Observation, Extent: Light,	Area Affected : 50%				
	Location: Throughout					
	Explanation: Grout Loss					
No Component	25%					
Revetment						
Stone	25%	LIFE	* *	5	\$200	
No Component	75%					
Backfill						
Fill						
Not Accessible	100%					
Surface						
Asphalt	100%	2035	* *	5	\$600	
	Surface Wearing/Scaling, Extent:	Moderate, Area Affec	ted : 50%			
	Location: Throughout					

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	
Total	\$567,200	
Importance Code A	\$522,000	
Importance Code B	\$45,200	
Total	\$567,200	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$34,700		\$200	
Total	\$34,700		\$200	
Importance Code A	\$22,100			
Importance Code B	\$11,300		\$200	
Importance Code C	\$1,300			
Total	\$34,700		\$200	



^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 FERRY DOCKS TIMBER BULKHEAD

Asset #: 1817

Bulkheads	Current Repair	Future Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Structural					
Piles and Bracing Timber	30% Rotting/Splitting, Extent : Light, Area A Location : In Tidal Zone	2029 ** Affected : 20%	4	\$20,700	
Timber	40% 4+ \$35,400 Rotting/Splitting, Extent : Moderate, Ar Location : Between Mlw And The Top	==	4	\$18,400	
Timber	30% Now \$26,500 Broken, Extent : Severe, Area Affected : Location : Split/ Broken Piles Through		4	\$13,800	
Revetment					
Stone	70%	LIFE **	5	\$2,600	
No Component	30%				
Sheet Piles Timber	90% 4+ \$414,200 Rotting/Splitting, Extent: Moderate, Ar Location: Tidal Zone Other Observation, Extent: Moderate, Location: Throughout		4	\$5,200	
	Explanation : Loss Of Fill Through G	aps In Sheets			
Timber	10% Now \$46,000 Interlock Damage, Extent: Severe, Area Location: Openings Between Sheets A Rotting/Splitting, Extent: Severe, Area Location: Tidal Zone	LIFE ** a Affected : 15% At South End Of Bulkhead	4	\$600	
Wales	Location : Itaat Zone				
Timber	70% Rotting/Splitting, Extent : Light, Area A Location :	LIFE ** ffected : 10%	4	\$4,800	
Timber	30% 2-4 \$13,600 Rotting/Splitting, Extent: Severe, Area Location: In Tidal Zone At Southeast	LIFE ** Affected : 75%	4	\$1,400	
Backfill					
Fill Topsoil	70% Now \$45,200 Sinkhole, Extent : Severe, Area Affected Location : Up To 5 Ft From Bulkhead		uthern 17.	5 Ft	
No Component	5%				
Not Accessible	25%				
Surface	2010				
Topsoil	70% Now \$11,300 Settlement, Extent : Severe, Area Affect Location : Behind Bulkhead Up To 5		5 And South	\$500 hern 175 Ft	
Tongs !1					
Topsoil No Component	25% 5%	2024 \$4,000	5	\$400	

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Linear Ft : 2,940 Project Type : FERRIES

Date of Survey : 11-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 2 Lot : 1 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$1,634,200	\$49,800
Total	\$1,634,200	\$49,800
Importance Code A	\$1,529,000	\$49,800
Importance Code B	\$105,200	
Total	\$1,634,200	\$49,800

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$39,000			\$9,200
Total	\$39,000			\$9,200
Importance Code A	\$4,200			
Importance Code B	\$25,300			\$9,200
Importance Code C	\$9,500			
Total	\$39,000			\$9,200



Maintenance \$ are aggregated over a ten-year period. Site 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 Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority	
Structural					
Coping/Curb	50/ A.	TIEE **	6100		
Timber	5% 4+ \$8,100	LITE	5 \$100		
	Rotting/Splitting, Extent: Severe, Area Location: Between South Wharf And				
No Component		. 09in sireei siip			
No Component Gravity Wall	95%				
Concrete	35%	LIFE **	5-10 \$8,300		
Concrete	Cracking, Extent : Moderate, Area Affa		5 10 ψ0,500		
	Location: Throughout				
Stone	15%	LIFE **	5 \$74,800		
	Missing Block Seal, Extent : Light, Are		4,		
	Location : Throughout				
Stone	5% 0-2 \$1,440,300	LIFE **	5 \$12,500		
	Displaced Elements, Extent: Severe, A	rea Affected : 10%			
	Location: Near Slip B-2 At Ferry Mo	uintenance Facility			
Not Accessible	45%				
Revetment					
Stone	8%	LIFE **	5 \$2,800		
No Component	92%				
Sheet Piles					
Steel	3% Now \$51,300	LIFE **			
	Corrosion, Extent : Severe, Area Affect Location : Between Slips 3 And 4	tea : 100%			
N. C.					
No Component Backfill	97%				
Fill					
Topsoil	5% Now \$12,400	2066 **			
· F ··· ·	Sinkhole, Extent : Severe, Area Affecte	d: 100%			
	Location: Near Slip B-2 In Ferry Mo	aintenance Area And Betwee	en Slips 3 And 4		
Not Accessible	95%				
Surface					
Asphalt	35%	2035 **	5 \$11,700		
Asphalt	5% Now \$13,000	2041 **	5 \$800		
	Sinkhole, Extent : Severe, Area Affecte				
	Location: Near Slip B-2 In Ferry Mo	uintenance Area And Betwee	en Slips 3 And 4		
Concrete	20%	2035 * *	5 \$6,700		
Not Accessible	40%				
Fender					
Piles	100/ No \$5.4.100	2041 **	4 \$7,000		
Timber	10% Now \$54,100 Rotting/Splitting, Extent : Severe, Area	2041	4 \$7,000		
	Location : Between South Wharf And				
No Component	85%	. com on our			
No Component Not Accessible	85% 5%				
NOT Accessible	J 70				

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 ST. GEORGE FERRY TERMINAL CONCRETE BULKHEAD

Bulkheads		Current Re	pair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date 1 (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	
	Rotting/Sp	litting, Exter	it : Moderate, Ar	a Affect	ed : 10%			
	Location	: Between S	outh Wharf And (9th Stre	et Slip			
No Component	90%							

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		
Total	\$1,500	\$1,500		
Importance Code B	\$1,500	\$1,500		
Total	\$1,500	\$1,500		



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current Repa	air Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural						
Relieving Platform Top						
No Component	33%					
Not Accessible	67%					
Sheet Piles						
Steel	33%	LIFE	* *			
	Recent Replace Evident, I	Extent : Light, Area Affe	ected : 100%			
	Location: Northern En	d Undergoing Replacen	nent			
No Component	67%					
Backfill						
Fill						
Not Accessible	100%					
Surface						
Asphalt	33%	2033	* *	5	\$2,900	
Concrete	34%	2037	* *	5	\$3,000	
Under Construction	33%					
Deck Elements						
Railing						
No Component	67%					
Under Construction	33%					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	
Total	\$1,961,900	
Importance Code A	\$1,775,900	
Importance Code B	\$186,000	
Total	\$1,961,900	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$69,600		\$900	
Total	\$69,600		\$900	
Importance Code A				
Importance Code B	\$41,000		\$900	
Importance Code C	\$28,600			
Total	\$69,600		\$900	



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current Repair	Future Replacement	N	laintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
tructural					
Coping/Curb	4000/ 37	T TTT	_	Φ200	
Timber	100% Now \$28,600 Displaced Elements, Extent: Severe, A Location: Throughout		5	\$300	
Piles and Bracing					
No Component	55%				
Not Accessible	45%				
Sheet Piles					
Steel	55% Now \$1,664,400	LIFE **			
	Corrosion, Extent : Severe, Area Affec	eted : 100%			
	Location : Tidal Zone. Multiple Hole	es Through Sheeting			
No Component	45%				
Pile Caps					
Concrete	100% 4+ \$111,500	LIFE **	5	\$1,600	
Concrete	Cracking, Extent : Light, Area Affected			Ψ1,000	
	Location : Horizontal Crack 90 Ft F) Ft Long	2. General	
	Outboard Face Map Cracking	, II		,,	
	Spalling, Extent : Moderate, Area Affe	ected: 2%			
	Location: 65 Ft From South, Approx	ximately 10 Ft Long			
	Other Observation, Extent : Light, Are	ea Affected : 30%			
	Location : Along Top Of South Face				
	Explanation: Impact Spalls				
ackfill					
Fill					
Topsoil	30% Now \$32,800	2065 **			
	Other Observation, Extent : Severe, A	rea Affected : 100%			
	Location: Along North Side Of Struc	cture Above Sheet Pile Wall			
	Explanation: Fill Loss Through Det	eriorated Steel Sheet Pile			
Not Accessible	70%				
Surface					
Topsoil	70%	2024 \$19,200	5	\$1,700	
Topsoil	30% Now \$8,200			\$400	
			_	7.00	
F	Other Observation, Extent: Severe, A	rea Affected : 100%			
	Other Observation, Extent : Severe, A. Location : 310-450 Ft From South	rea Affected : 100%			
2 o posta	Location: 310-450 Ft From South	rea Affected : 100%			
		rea Affected : 100%			
ender	Location: 310-450 Ft From South	rea Affected : 100%			
ender Piles	Location: 310-450 Ft From South Explanation: Fill Loss		4	\$12,500	1
ender	Location: 310-450 Ft From South Explanation: Fill Loss 100% Now \$95,700	2040 **	4	\$12,500	1
ender Piles	Location: 310-450 Ft From South Explanation: Fill Loss 100% Now \$95,700 Displaced Elements, Extent: Severe, A	2040 **	4	\$12,500	1
ender Piles Timber	Location: 310-450 Ft From South Explanation: Fill Loss 100% Now \$95,700	2040 **	4	\$12,500	1
Tender Piles Timber Wales and Chocks	Location: 310-450 Ft From South Explanation: Fill Loss 100% Now \$95,700 Displaced Elements, Extent: Severe, A Location: Throughout	2040 ** Area Affected : 100%	4		1
ender Piles Timber	Location: 310-450 Ft From South Explanation: Fill Loss 100% Now \$95,700 Displaced Elements, Extent: Severe, A	2040 ** Area Affected : 100% 2040 **		\$12,500 \$28,200	1

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	F	Y 2017	FY 2018	FY 2019	FY 2020
Bulkheads					
Total					
Importance Code	A				
Importance Code	В				

Total



^{**} 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

Bulkheads	Currer	nt Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural							
Pile Supported Wall							
Concrete	65%		2041	* *	5	\$12,900	
	•	ident, Extent : Light, othern End Of Asset	Area Aff	ected : 100%			
Not Accessible	5%						
Under Construction	30%						
Backfill							
Fill							
Not Accessible	70%						
Under Construction	30%						
Surface							
Asphalt	70%		2041	* *	5	\$4,000	
		ident, Extent : Light, othern End Of Asset	Area Aff	ected : 100%			
Under Construction	30%						
Deck Elements							
Railing							
Guard Rail	70%		LIFE	* *			
	Recent Replace Ev	ident, Extent : Light,	Area Aff	ected : 100%			
	Location : At Sou	thern End Of Asset					
Under Construction	30%						

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$210,700	\$1,522,600
Total	\$210,700	\$1,522,600
Importance Code A	\$210,700	\$86,500
Importance Code B		\$1,436,100
Total	\$210,700	\$1,522,600

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$35,300			
Total	\$35,300			
Importance Code A				
Importance Code B	\$35,300			
Total	\$35,300			



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 BULKHEAD/GRAVITY WALL

Asset #: 4343

Bulkheads	Current Rep	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural							
Gravity Wall Conc w/Stone Face	10% Now Missing Block Seal, Exte	\$210,700 ent : Severe, Are	LIFE a Affected	* * d : 50%	5	\$17,300	
	Location : At Stations North End And Isolate	2+40 To 2+60, 2	2+80 To 3	3+00, 3+20 To 3+			
Conc w/Stone Face	40% Cracking, Extent : Light Location : Throughout		LIFE 2%	**	5	\$69,200	
Concrete	5% Erosion, Extent : Moder Location : Throughout		LIFE ed : 100%	* *	5	\$400	
Not Accessible	45%						
Backfill Fill Not Accessible	100%						
Surface	10070						
Asphalt Pavers	48% Settlement, Extent : Ligh Location : Throughout		2032 : 10%	**	5	\$10,500	
Asphalt Pavers	1% Now Settlement, Extent: Seve Location: Station 5+4		2038 d : 20%	* *	5	\$100	
Asphalt Pavers	1% 4+ Settlement, Extent: Mod Location: Stations 15:				5	\$100	
Concrete	30% Cracking, Extent: Mode Location: Throughout Settlement, Extent: Mod Location: Throughout	lerate, Area Affe			5	\$6,600	
Not Accessible	20%						
Deck Elements Railing							
Steel	79% Other Observation, Exte Location : Throughout Explanation : Coating	-	2021 Affected .	\$1,418,200 : 15%			
Steel	1% Now Other Observation, Exte Location: Station 4+8 Explanation: Broken		2021 a Affectea	\$18,000			
No Component	20%						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Linear Ft : 495 Project Type : HIGHWAYS

Date of Survey : 12-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 5256 Lot : 200 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$337,900	
Total	\$337,900	
Importance Code C	\$337,900	
Total	\$337,900	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$100		\$1,400	
Total	\$100		\$1,400	
Importance Code B			\$1,400	
Importance Code C	\$100			
Total	\$100		\$1,400	



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current Repair	Future Repl	acement	М	aintenance		
System Component Type	% of Fail Date Estimated Con Total (Years)	st Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Structural							
Revetment							
Stone	95% 4+ \$337,900	0 LIFE	* *	5	\$2,800		
	Other Observation, Extent : Moderat	e, Area Affected : .	50%				
	Location: Non-engineered, Very St	eep, Slope With Ar	reas Of Scor	ır			
	Explanation : Inadequate Stone Pro	otection					
Stone	5%	LIFE	* *	5	\$300		
	Recent Replace Evident, Extent : Light, Area Affected : 100%						
	Location : Adjacent To Outfall						
Backfill							
Fill							
Not Accessible	100%						
Surface							
Asphalt	50%	2029	* *	5	\$2,800		
	Erosion, Extent : Light, Area Affected : 100%						
	Location: Raveling Throughout Surface						
Not Accessible	50%						
	Other Observation, Extent : Light, Area Affected : 0%						
	Location: Inshore Of Revetment						
	Explanation: Under Stacked Conci	rete Block Wall An	d Dot Truck	ks			

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
Total	\$50,000			\$8,200
Importance Code A	\$17,200			
Importance Code B	\$32,800			\$8,200
Importance Code C				
Total	\$50,000			\$8,200



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current	Repair	Future Replacement		ment Maintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
tructural								
Relieving Platform Top								
Concrete	10% 4+ Spalling, Extent : Mo Location : Through		LIFE ted : 50%	* *	5	\$200		
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		
	Corrosion, Extent : I Location : Splash 2	. 55	ected : 30	%				
Not Accessible	75%							
Pile Caps								
Concrete	10%		LIFE	* *	5	\$200		
Not Accessible	90%							
Backfill								
Surface								
Asphalt	15%		2032	* *	5	\$900		
Topsoil	10%		2021	\$2,700	5	\$200		
Not Accessible	75%							
	Other Observation, I Location :	Extent : Light, Area	Affected	: 0%				
	Explanation : Relie	eving Platform Surf	ace Cover	red With Crushed	Stone.			
Gender								
Piles								
Timber	25%		2032	* *	4	\$3,100		
	Worn, Extent : Mode Location : Through		: 30%					
Timber	15% Now	\$14,400	2038	* *	4	\$1,900		
	Broken, Extent : Seve Location : Through		100%					
Timber	15% 2-4	\$14,400	2038	* *	4	\$1,900		
	Worn, Extent : Mode Location : Through	rate, Area Affected				. , -		
Not Accessible	45%							
1101 / 1000351010	T3/0							

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 DOT ASPHALT PLANT RELIEVING PLATFORM

Bulkheads	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender						
Wales and Chocks						
Timber	47%	2032	* *	4	\$13,300	
	Worn, Extent : Moderate, Ar	ea Affected : 20%				
	Location: Throughout					
Timber	1% Now	\$1,400 2038	* *	4	\$300	
	Broken, Extent : Severe, Are	a Affected : 100%				
	Location : Throughout					
Timber	2% 2-4	\$2,300 2036	* *	4	\$600	
	Rotting/Splitting, Extent : Se	vere, Area Affected	: 50%			
	Location: Throughout					
Not Accessible	50%					

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

Linear Ft : 31 Project Type : HIGHWAYS

Date of Survey : 15-Dec-2011 Landmark Status : NONE

Areas Surveyed :

Block : 625 Lot : 2 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$126,300	
Total	\$126,300	
Importance Code A	\$126,300	
Total	\$126,300	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$100			
Total	\$100			
Importance Code B	\$100			
Total	\$100			



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads		Current F	Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural								
Sheet Piles								
Steel	35%	Now	\$63,100	LIFE	* *			
	Broken, E	Extent : Seve	re, Area Affected :	100%				
	Location	n : Broken/n	nissing					
Steel	35%	4+	\$63,100	LIFE	* *			
	Corrosion	i, Extent : S	evere, Area Affecte	ed: 75%				
	Location	n : Splash Z	one					
Not Accessible	30%							
Backfill								
Fill								
Not Accessible	100%							
Surface								
Concrete	50%			2032	* *	5	\$200	
Topsoil	50%			2022	\$800	5	\$100	

Maintenance \$ are aggregated over a ten-year 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

 $Program \, / \, Asset \, \# \quad : \, \, DOT0130.020 \, / \, 1795 \qquad \qquad Yr \, Built/Renovated \quad : \, \,$

Linear Ft : 750 Project Type : HIGHWAYS

Date of Survey : 19-Sep-2014 Landmark Status : NONE

Areas Surveyed :

Block : 8012 Lot : 400 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$431,200	\$39,500
Total	\$431,200	\$39,500
Importance Code B		\$39,500
Importance Code C	\$431,200	
Total	\$431,200	\$39,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$100		\$1,800	
Total	\$100		\$1,800	
Importance Code B			\$1,800	
Importance Code C	\$100			
Total	\$100		\$1,800	



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current Repair	Futur	e Replacement	M	aintenance		
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Structural							
Revetment							
Asphalt Remnants	20%	LIFE	* *	5	\$300		
	Other Observation, Extent .	: Severe, Area Affecte	d : 100%				
	Location: Throughout						
	Explanation: Insufficient	Armor Stone, Steep S	Sloping Natural Sho	oreline			
Stone	80% 0-2	\$431,200 LIFE	* *	5	\$3,600		
	Other Observation, Extent : Severe, Area Affected : 80%						
	Location: Throughout						
	Explanation : Insufficient	Armor Stone, Steep S	Sloping Natural Sho	oreline			
Backfill							
Fill							
Not Accessible	100%						
Surface							
Topsoil	100%	2024	\$39,500	5	\$3,500		
	Other Observation, Extent .	: Moderate, Area Affe	cted : 50%				
	Location: Throughout						
	Explanation : Heavy Vege	etation And Debris					

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	F	Y 2017	FY 2018	FY 2019	FY 2020
Bulkheads					
Total					
Importance Code	A				

Total



DEPARTMENT OF TRANSPORTATION - 841 DOT FACILITY/STEEL BULKHEAD UNDER WILLIAMSBURG BRIDGE

Bulkheads	Current Repair	Future Rep	lacement	M	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estir FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural						
Sheet Piles						
Steel	20%	LIFE	* *			
	Corrosion, Extent : Light, Area Af	fected : 25%				
	Location: Throughout					
Not Accessible	80%					
Wales						
Steel	100%	LIFE	* *	5	\$6,300	
	Corrosion, Extent : Moderate, Are	ea Affected : 100%				
	Location: Throughout					
Pile Caps						
Concrete	65%	LIFE	* *	5	\$500	
	Recent Replace Evident, Extent : I	Light, Area Affected :	100%			
	Location: Throughout					
No Component	35%					
Backfill						
Fill						
Under Construction	100%					
Surface						
Under Construction	100%					

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

 $Program \, / \, Asset \, \# \quad : \, \, DOT0196.000 \, / \, 14022 \qquad \qquad Yr \, Built/Renovated \quad : \, \,$

Linear Ft : 515 Project Type : HIGHWAYS

Date of Survey : 09-Apr-2012 Landmark Status : NONE

Areas Surveyed :

Block : 499 Lot : 51 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads		\$184,000
Total		\$184,000
Importance Code B		\$184,000
Total		\$184,000

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$1,800			
Total	\$1,800			
Importance Code A				
Importance Code B	\$1,800			
Total	\$1,800			



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Bulkheads	Current Repair		Replacement	Maintenance			
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Structural							
Gravity Wall							
Concrete	100%	LIFE	* *	5	\$2,100		
	Cracking, Extent : Light, Area Affec	cted : 2%					
	Location: Throughout						
	Spalling, Extent : Light, Area Affect	ted : 2%					
	Location: Throughout						
Backfill							
Fill							
Not Accessible	100%						
Surface							
Concrete	60%	2032	* *	5	\$3,500		
Topsoil	40%	2021	\$10,800	5	\$1,000		
Deck Elements							
Railing							
Aluminum	100%	2022	\$184,000				
Parapet							
Concrete	100%	2024					

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$777,100	\$185,400
Total	\$777,100	\$185,400
Importance Code A	\$777,100	\$98,000
Importance Code B		\$87,400
Total	\$777,100	\$185,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$21,600	\$5,600		
Total	\$21,600	\$5,600		
Importance Code A	\$20,200			
Importance Code B	\$1,400	\$5,600		
Total	\$21,600	\$5,600		



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 RELIEVING PLATFORM

Bulkheads	Cu	rrent Repair	Futur	e Replacement	M	aintenance	
System Component Type	/	Date Estimated Co	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural	·						
Relieving Platform Top							
Concrete	80%		LIFE	* *	5	\$3,700	
	Cracking, Exte Location : Th	nt : Light, Area Affect proughout	ted : 10%				
Concrete	20% 2	-4 \$20,20	0 LIFE	* *	5	\$900	
		nt : Light, Area Affecte ong Top Edge					
Pile Supported Wall							
Conc w/Stone Face	25% 2	-4 \$213,50	0 LIFE	* *	5	\$24,500	
		tion, Extent : Modera	. 55				
		iroughout Above Grai		anels			
		: Erosion On Concrete					
Conc w/Stone Face		ow \$341,60		* *	5	\$9,800	
		tion, Extent : Severe,		d : 100%			
		ong Bottom Half Of W					
		: Missing Granite Fas					
Conc w/Stone Face		l+ \$222,00		**	5	\$63,700	
		tion, Extent : Light, A					
		roughout Above Gran	ute Fascia P	aneis			
Piles and Bracing	Explanation :	Erosion					
Not Accessible	100%						
Backfill	10070						
Fill							
Not Accessible	100%						
Surface							
Asphalt	80%		2033	* *	5	\$11,200	
Asphalt Pavers	20%		2037	* *	5	\$2,800	
Deck Elements							
Railing							
Aluminum	20%		2023	\$87,400	-	***	
Fencing	20%		2025	\$13,000	3	\$100	
No Component	60%						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

 $Program / Asset \# \quad : \ DOT0025.064 / \ 4342 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Linear Ft : 546 Project Type : HIGHWAYS

Date of Survey : 08-Mar-2012 Landmark Status : NONE

Areas Surveyed :

Block : 966 Lot : 999 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads		\$178,700
Total		\$178,700
Importance Code B		\$178,700
Total		\$178,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$35,300			\$1,600
Total	\$35,300			\$1,600
Importance Code A	\$13,800			
Importance Code B	\$21,500			\$1,600
Total	\$35,300			\$1,600



Maintenance \$ are aggregated over a ten-year period. Site 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

Bulkheads	Current R	epair	Future F	Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
tructural							
Relieving Platform Top							
Concrete/Stone	2% 4+	\$2,200	LIFE	* *			
	Erosion, Extent: Mod						
	Location : Isolated A			ut			
	Spalling, Extent : Mod						
	Location : Isolated A	t Top Of Bulkhea	d Througho	ut			
Concrete/Stone	2% Now	\$4,400	LIFE	* *			
	Missing Part, Extent:	Severe, Area Affe	cted : 20%				
	Location : At Station	s 3+50 And 4+30	From Nort	th			
Concrete/Stone	96%		LIFE	* *			
	Cracking, Extent: Lig	ht, Area Affected	: 5%				
	Location : Througho	ut					
Piles and Bracing							
Not Accessible	100%						
Lowlevel Pile Caps							
Timber	5% Now	\$7,100	LIFE	* *			
	Rotting/Splitting, Exte			0%			
	Location: Along Bul	khead Face Thro	ughout				
Not Accessible	95%						
ackfill							
Fill	4.504						
Not Accessible	45%						
Under Construction	55%						
Surface	4.50/		2022	* *	~	Φ2.000	
Asphalt	45%		2032	4. 4.	5	\$2,800	
Under Construction	55%						
ender Piles							
Timber	20% Now	\$20,100	2038	* *	4	\$2,600	
Timber	Broken, Extent : Sever				4	\$2,000	
	Location : Througho		10070				
	Rotting/Splitting, Exte		Affected · 10	0%			
	Location : Througho		престей . Т	<i>570</i>			
Timber	25%		2032	* *	4	\$3,300	
No Component	10%						
Not Accessible	45%						
Deck Elements							
Railing							
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.

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Bulkheads	\$69,100	
Total	\$69,100	
Importance Code C	\$69,100	
Total	\$69,100	

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Bulkheads	\$1,600			
Total	\$1,600			
Importance Code B Importance Code C	\$1,600			
Total	\$1,600			



Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 REVETMENT - RIPRAP BULKHEAD

Bulkheads	Currer	nt Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural							
Revetment							
Stone	65% 4+	\$69,100	LIFE	* *	5	\$1,200	
	Erosion, Extent : N	Moderate, Area Affect	ted : 85%				
	Location: Throu	ghout					
	Other Observation	, Extent : Moderate, .	Area Affect	ted : 100%			
	Location: Throu	ghout					
	Explanation : No	on-engineered, Inade	quate Place	ement/Protection	, Concre	ete Debris	
Stone	35%		LIFE	* *	5	\$600	
	Recent Repair Evid	dent, Extent : Light, A	Area Affecte	ed : 100%			
	Location: South	ern 100ft Of Asset					
Backfill							
Fill							
Topsoil	10% 4+	\$600	2052	* *			
	Other Observation, Extent : Moderate, Area Affected : 30%						
	Location: North	End Of Park					
	Explanation: Er	osion Above Rip Rap	Revetment	:			
Not Accessible	90%						
Surface							
Topsoil	10% 4+	\$300	2022	\$1,600	5	\$100	
Erosion, Extent : Moderate, Area Affected : 20%							
	Location: North	End Of Park					
Topsoil	90%		2022	\$14,000	5	\$1,200	

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

 $Program / Asset \# \quad : \ DOT0192.000 / \ 13891 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 3,350 Project Type : FERRIES

Date of Survey : 08-Sep-2014 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks		\$151,500
Total		\$151,500
Importance Code A		\$151,500
Total		\$151,500

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$59,100	\$900	\$19,300	\$3,800
Total	\$59,100	\$900	\$19,300	\$3,800
Importance Code A	\$45,500		\$9,500	
Importance Code B	\$12,800	\$500	\$9,300	\$3,500
Importance Code C	\$800	\$300	\$500	\$300
Total	\$59,100	\$900	\$19,300	\$3,800



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Marinas/Docks	Current Repair	Future Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways					
Gangways					
Aluminum	75%	2052 **	1-3	\$30,300	
Aluminum	25% Now \$12,400		1-3	\$10,000	
	Cracked Weld, Extent : Light, Area Aff Location : Northeast Side Of South C				
	Handrail Damage, Extent : Severe, Ar				
	Location: Security Gate Dislodged A	==			
	Loose Connections, Extent: Severe, A				
	Location: Bottom Of South Gangwa	==	ring On R	ail	
	Roller Malfunction, Extent : Severe, A	=			
	Location : At The Northeast Connect	==			
Piles and Bracing					
Steel	100%	2046 **	5-10		
	Corrosion, Extent : Light, Area Affecte	ed : 10%			
	Location: Throughout Support Bean	ns			
Floating Docks					
Anchor Piles					
Steel	75%	2046 **	3-5		
	Corrosion, Extent : Light, Area Affecte Location : In Tidal Zone	ed: 25%			
		Affected . 250/			
	Missing Coating, Extent : Light, Area L Location : In Tidal Zone	Affectea : 25%			
Not Accessible	25%				
Fenders	23/0				
Rubber	95%	2025 \$5,500	1-2	\$4,100	
2.000	Worn, Extent : Light, Area Affected : 2			+ -,	
	Location : Above Waterline Through				
Rubber	5% Now \$300	2026 \$300	1-2	\$200	
	Broken, Extent : Severe, Area Affected			7-00	
	Location : At South Pile Guide On So	outh Barge			
Floats/Frames					
Steel	5% Now \$13,400	2036 **	5	\$300	
	Damaged/Missing Pile Guide, Extent:	: Moderate, Area Affected : .	10%		
	Location: At Rub Pad On South Pile	e On South Barge			
	Other Observation, Extent : Severe, An				
	Location: At Center Connection On				
	Explanation : Loose Frame Connects				
Steel	95%	2034 **	5-10	\$23,400	

^{**} 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

Marinas/Docks	Current Repair	Future F	Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Floating Docks						
Barge	(50/	2020	* *	_	\$7,600	
Steel	65% Corrosion, Extent : Light, Area Affecte	2039	4. 4.	5	\$7,600	
	Location: Above Waterline And In S					
	Other Observation, Extent : Light, Are	•	2%			
	Location: At Gangway Landings	<i>JJ</i> • • • • • • • • • • • • • • • • • •				
	Explanation : Abrasion					
Steel	5% 4+ \$27,800	2039	* *	5	\$300	
	Not Plumb, Extent : Moderate, Area A					
	Location: Barge Is Listing To The W	Vest .				
Not Accessible	30%					
Deck Elements						
Railing	100-1					
Steel	100%	2025				
	Corrosion, Extent: Light, Area Affecte	ed: 5%				
Electrical	Location : Throughout Both Barges					
Conduit						
PVC	95%	2023	\$38,100			
	Other Observation, Extent : Light, Are					
	Location: At Moving Connections B	etween Barge	es .			
	Explanation: Abrasion					
PVC	5% Now \$2,000	2024	\$2,000			
	Other Observation, Extent: Severe, Ar					
	Location: At Gangway Landing At S	outhern Barg	re			
	Explanation : Broken					
Lighting Fixture	2004 N. 42.200	2021	#22.200			
Incandescent	20% Now \$2,200		\$22,300			
	Other Observation, Extent : Severe, An Location : On South Barge And At A		100%			
	Explanation: Broken/ Missing	u Gangways				
Incomise		2021	\$20,000			
Incandescent Moveble Pamps	80%	2021	\$89,000			
Movable Ramps Deck and Railing						
Steel	100%	2039	* *			
~*****	Other Observation, Extent : Light, Are		00%			
	Location : Throughout	50				
	Explanation : Aluminum Ramp					

^{**} 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

 $Program / Asset \# \quad : \ DOT0128.000 / \ 13923 \qquad \qquad Yr \ Built/Renovated \quad : \\$

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
Total	\$264,600	\$1,299,400
Importance Code A	\$264,600	\$1,299,400
Total	\$264,600	\$1,299,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$79,900		\$1,200	\$100
Total	\$79,900		\$1,200	\$100
Importance Code A	\$79,100		\$700	
Importance Code B	\$800		\$500	\$100
Total	\$79,900		\$1,200	\$100



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways					
Deck	500/	0004 045 000	_	#1.400	
Timber	50% Surface Wearing/Scaling, Extent: Ligh Location: Isolated At Top Of Deck Other Observation, Extent: Light, Are Location: Middle Section Of Movable Explanation: Recent Repair Evident	a Affected : 50% le Ramp	5	\$1,400	
Not Accessible	50%				
Gangways Aluminum	10% 4+ \$800 Loose Connections, Extent: Moderate, Location: Half Of Hinge Plate Is Ber	==	1-3	\$200	
Aluminum	90%	2046 **	1-3	\$1,700	
Pile Caps Timber	40% Splitting, Extent : Light, Area Affected Location : Isolated Throughout	2036 ** : 10%	4		
Not Accessible	60%				
Piles and Bracing					
Timber	20% 4+ \$25,000 Rotting/Splitting, Extent : Moderate, A Location : Above Mhw	2052 ** rea Affected : 100%	4-5	\$1,400	
Not Accessible	80%				
Floating Docks Anchor Piles					
Timber	60% 4+ \$4,400 Abrasion, Extent : Moderate, Area Affa Location : In Tidal Zone	2031 ** ected : 50%	4-5	\$300	
Not Accessible	40%				
Floats/Frames					
Timber	50% Wearing, Extent : Light, Area Affected Location : Throughout	2031 ** : 100%			
Not Accessible	50%				
Fender Facing Timber	50% Other Observation, Extent : Moderate, Location : Tidal Zone Of The South F Explanation : Abrasion				
No Component	50%				
	50/0				

Note: All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site 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	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cos	St Cycle Estimated Cost (Yrs)	Priority
Fender				
Piles Timber	35% 2-4 \$112,800 Other Observation, Extent: Moderate, Location: Throughout	2031 * Area Affected : 40%	*	
Timber	Explanation: Rotting, Splitting 15% Now \$48,300 Other Observation, Extent: Severe, Ard Location: Throughout Explanation: Broken	2031 * ea Affected : 50%	*	
Timber Not Accessible	20% 30%	2024 \$214,80	00	
Wales and Chocks	30%			
Timber	35% Now \$42,600 Other Observation, Extent: Severe, Are Location: Throughout Explanation: Rotting, Splitting	2027 * ea Affected : 50%	*	
Timber	50% 2-4 \$60,900 Other Observation, Extent: Moderate, Location: Throughout Explanation: Rotting, Splitting	2027 * Area Affected : 50%	*	
Timber	15%	2027 *	*	
Gallows Frames Tower Frames Steel	5% 4+ \$16,900 Other Observation, Extent: Moderate, Location: Connection Hardware Explanation: Corrosion	2035 * Area Affected : 50%	*	
Timber	10% 4+ \$32,700 Other Observation, Extent: Moderate, Location: Gallows Frames Foundation Explanation: Rotting		*	
Timber	85% Other Observation, Extent: Light, Area Location: Throughout Explanation: Splitting	2035 * Affected : 5%	*	
Movable Ramps	<i>Блриншион</i> . Эршинд			
Bearings				
Steel	25% Other Observation, Extent: Moderate, Location: At All Steel Bearing Surfac Explanation: Moderate Corrosion		*	
Timber	25% Other Observation, Extent: Moderate, Location: Timber Bearing Surfaces Explanation: Abrasion/wearing	2029 * Area Affected : 100%	*	
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

Marinas/Docks		Current F	Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

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

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 / 14118Yr Built/Renovated: 1996 / 2007Area Sq Ft: 6,178Project Type: FERRIESDate of Survey: 11-Apr-2012Landmark Status: NONE

Areas Surveyed :

Block : Lot : BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks		\$660,200
Total		\$660,200
Importance Code A		\$660,200
Total		\$660,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$21,000	\$10,100	\$3,500	\$100
Total	\$21,000	\$10,100	\$3,500	\$100
Importance Code A	\$20,900	\$10,000	\$1,000	
Importance Code B	\$100	\$100	\$2,600	\$100
Total	\$21,000	\$10,100	\$3,500	\$100



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Marinas/Docks		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways								
Deck								
Timber	55%			2021	\$221,700	5	\$6,700	
Not Accessible	45%							
Gangways								
Aluminum	100%			2043	* *	1-3	\$8,500	
Pile Caps								
Timber	40%			2043	* *	4	\$400	
Not Accessible	60%							
Piles and Bracing								
Timber	60%			2043	* *	4-5	\$21,500	
Not Accessible	40%							
Deck Elements								
Railing								
Steel	100%			2021	\$438,500			
Electrical								
Lighting Fixture								
Incandescent	100%			2017	\$20,900			
Fender	•							
Piles								
Timber	50%			2024				
Not Accessible	50%							
Wales and Chocks								
Timber	100%			2024				

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

 $Program / Asset \# \quad : \ DOT0199.000 / \ 14193 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 8,175 Project Type : FERRIES

Date of Survey : 06-Mar-2012 Landmark Status : NONE

Areas Surveyed :

Block : Lot : BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$37,100	\$971,000
Total	\$37,100	\$971,000
Importance Code A	\$37,100	\$971,000
Total	\$37,100	\$971,000

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$5,600	\$200	\$5,800	\$31,600
Total	\$5,600	\$200	\$5,800	\$31,600
Importance Code A	\$5,300			\$31,300
Importance Code B	\$200	\$200	\$5,800	\$200
Total	\$5,600	\$200	\$5,800	\$31,600



 $[\]label{lem:maintenance} \textit{Maintenance} \ \textit{\$ are aggregated over a ten-year period. Site 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

Marinas/Docks		Current R	lepair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways								
Gangways								
Aluminum	100%			2049	* *	1-3	\$19,000	
Floating Docks								
Anchor Piles								
Steel	50%			2049	* *	3-5		
	_	_	ent : Light, Area Aj	fected :	10%			
	Location	: Along Gi	iides					
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			
	Broken, Ex	tent : Seve	re, Area Affected :	10%				
	Location	: At South	Barge Berth S.2					
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	* *			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

 $Program \, / \, Asset \, \# \quad : \, \, DOT0193.000 \, / \, 13892 \qquad \qquad Yr \, Built/Renovated \quad : \, \\$

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
Total	\$144,200	\$322,900
Importance Code A	\$144,200	\$322,900
Total	\$144,200	\$322,900

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$38,200	\$1,800	\$1,800	
Total	\$38,200	\$1,800	\$1,800	
Importance Code A	\$38,200	\$1,800	\$1,800	
Total	\$38,200	\$1,800	\$1,800	



Maintenance \$ are aggregated over a ten-year period. Site 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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways							
Deck							
Timber	100%		2024	\$119,300	5	\$3,600	
	Surface Wearing/Sca Location : Through		, Area A <u>f</u>	fected : 40%			
Pile Caps	1000		20.45	di di		Φ2. 700	
Timber	100% Splitting, Extent : Lig Location : Isolated		2046 5%	* *	4	\$3,500	
Piles and Bracing							
Timber	5% 4+ Missing Connections Location: Fishplat Splitting, Extent: Mo Location: Northwe	e On South Side oderate, Area Affect			4-5	\$500	
Timber	95% Splitting, Extent : Lig Location : Through		2046 20%	* *	4-5	\$17,000	
Fender							
Facing							
Timber	10% 2-4 Other Observation, E Location: Through Explanation: Missi	out	2026 Area Affe	\$40,700 cted : 25%			
Timber	40%		2025	\$162,900			
	Other Observation, E Location : Through Explanation : Abra	out	Affected	: 15%			
Under Construction	50%						
Piles	20,0						
Timber	10%		2027	* *			
Not Accessible	40%						
Under Construction	50%						
Wales and Chocks							
Timber	25%		2027	* *			
Not Accessible	25%						
Under Construction	50%						
Callows Frames							

Gallows Frames

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841 HART ISLAND FERRY DOCK

Marinas/Docks	Current Repair	Future F	Replacement	Maintenance	
System Component Type	% of Fail Date Estimat Total (Years)	ed Cost Year E FY	Estimated Cost	Cycle Estimated Cost (Yrs)	Priority
Gallows Frames					
Tower Frames					
Steel	25%	2035	* *		
	Other Observation, Extent : Li		25%		
	Location: Throughout Steel				
	Explanation: Corrosion And				
Steel		56,500 2039	* *		
	Other Observation, Extent : M	oderate, Area Affecte	ed : 50%		
	Location: Mudline To Mhw				
	Explanation: Corrosion				
Timber	50%	2035	* *		
	Other Observation, Extent : Li	ght, Area Affected : I	10%		
	Location: Throughout				
	Explanation: Cracking, Split	ting			
Movable Ramps					
Bearings	500/ 2.4 (47,000 2041	* *		
Steel		47,000 2041			
	Other Observation, Extent : Se Location : At All Bearing Loc		: 100%		
	_	auons			
m: 1	Explanation : Corrosion	20.000 20.41	* *		
Timber		28,000 2041			
	Other Observation, Extent: Se		: 100%		
	Location: Along All Timber	_			
Deals and Dailing	Explanation: Abrasion And I	Leaning			
Deck and Railing Timber Deck on Steel	70%	2035	* *		
Tilliber Deck on Steer	Other Observation, Extent : Li				
	Location: Timber Beck And		1070		
	Explanation: Weathering	imber siringers			
Timber Deck on Steel		\$6,200 2035	* *		
Timber Deck on Steel	0ther Observation, Extent: M				
	Location : Steel Hardware A			ŀ	
	Explanation: Corrosion	Timber Deams Dene	eum 11moer Dec	n.	
Not Appagaible					
Not Accessible	25%				

^{**} 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

 $Program \, / \, Asset \, \# \quad : \, \, DOT0192.010 \, / \, 13894 \qquad \qquad Yr \, Built/Renovated \quad : \, \,$

Area Sq Ft : 200 Project Type : FERRIES

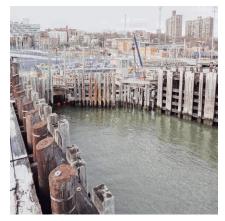
Date of Survey : 10-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 2 Lot : 1 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$687,400	\$1,374,700
Total	\$687,400	\$1,374,700
Importance Code A	\$687,400	\$1,374,700
Total	\$687,400	\$1,374,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$400	\$100	\$12,100	\$400
Total	\$400	\$100	\$12,100	\$400
Importance Code B	\$400	\$100	\$12,100	\$400
Total	\$400	\$100	\$12,100	\$400



Maintenance \$ are aggregated over a ten-year period. Site 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

Marinas/Docks	Current Re	epair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways							
Gangways							
Timber	100%		2019	\$12,100	1-3	\$2,100	
	Other Observation, Ex	_	Affected :	60%			
	Location : Entire Ga	ngway					
	Explanation: Aging						
Fender							
Facing							
Timber	50%		2021	\$687,400			
	Other Observation, Ex Location : Througho Explanation : Abrasi	ut Splash Zone	Affected :	: 30%			
Timber	50% Now	\$687,400	2026	\$687,400			
	Other Observation, Ex	tent : Severe, Are	a Affected	l : 100%			
	Location : Throughou	ut					
	Explanation: Missin	g Parts					
Piles							
Timber	70%		2030	* *			
Not Accessible	30%						
Wales and Chocks							
Timber	100%		2030	* *			
Gallows Frames							
Tower Frames							
Timber	100%		2035	* *			
	Other Observation, Ex	tent : Light, Area	Affected :	5%			
	Location : Vertical S	upports					
	Explanation: Splitting	ig, Rotting					

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

 $Program \, / \, Asset \, \# \quad : \, \, DOT0192.030 \, / \, 13896 \qquad \qquad Yr \, Built/Renovated \quad : \, \\$

Area Sq Ft : 8,600 Project Type : FERRIES

Date of Survey : 11-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 2 Lot : 1 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$764,900	\$4,472,400
Total	\$764,900	\$4,472,400
Importance Code A	\$764,900	\$4,472,400
Total	\$764,900	\$4,472,400

EXPENSE

Total

Importance Code

Total



Maintenance \$ are aggregated over a ten-year period. Site 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	Cu	rrent Repair	Futur	e Replacement	М	aintenance	
System Component Type		Date Estimated C ears)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender							
Facing	0.5			*******			
Timber	85% Other Observa Location : Th Explanation .		2021 ute, Area Affe	\$4,223,900 cted: 30%			
Timber	Other Observa Location : Iso	ow \$248,50 tion, Extent : Severe, colated Throughout Ar : Missing, Broken	Area Affecte				
Under Construction	10%						
Piles							
Timber	Other Observa	-2 \$516,4\tion, Extent: Severe, ffshore Clusters, Espo Broken	Area Affecte		nd North	Side Of Slip 3	
Timber	50% Other Observa Location : At Explanation .		2027 ate, Area Affe	* * cted : 10%			
Not Accessible Under Construction	30% 10%						
Wales and Chocks							
Timber	Location: The Explanation:	tion, Extent : Light, A proughout : Rotting, Splitting	2027 Area Affected	: 10%			
Not Accessible Under Construction	35% 10%						
Gallows Frames							
Tower Frames Steel	Location : Iso	tion, Extent : Light, A		**			
Acrobia Domina	Explanation .	: Coating Loss and C	orrosion				
Movable Ramps Bearings Not Accessible	100%						
Deck and Railing	100%						
Steel	Location : Iso	tion, Extent : Light, A olated Throughout Ro : Coating Loss			Asphalt/s	teel	
	30%	G					

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

 $Program / Asset \# \quad : \ DOT0192.040 / \ 13897 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 4,500 Project Type : FERRIES

Date of Survey : 11-Dec-2014 Landmark Status : NONE

Areas Surveyed :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$35,900	\$445,000
Total	\$35,900	\$445,000
Importance Code A		\$445,000
Importance Code C	\$35,900	
Total	\$35,900	\$445,000

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$17,800		\$6,100	\$9,300
Total	\$17,800		\$6,100	\$9,300
Importance Code A			\$3,400	\$9,300
Importance Code C	\$17,800		\$2,700	
Total	\$17,800		\$6,100	\$9,300



Maintenance \$ are aggregated over a ten-year period. Site 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

Marinas/Docks	С	urrent Repair	Futu	Future Replacement		Maintenance	
System Component Type		il Date Estimated Cos Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways							
Deck							
Concrete	40%		2029	* *	5	\$6,800	
		ent : Light, Area Affected	: 2%				
	Location : I	solated On Bottom Edge					
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		Now \$17,800		* *	4	\$2,700	
		nt : Severe, Area Affected	: 100%				
		Single Cluster					
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			
		cation, Extent : Light, Are					
		Base Of Light Pole On So	uth Access	s Walkway			
_	Explanation	ı : Corrosion					
Fender							
Piles	100/		2025	d. d.			
Timber	10%		2027	* *			
No Component	85%						
Not Accessible	5%						

^{**} 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

 $Program / Asset \# \quad : \ DOT0192.050 / \ 13898 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 850 Project Type : FERRIES

Date of Survey : 09-Dec-2014 Landmark Status : NONE

Areas Surveyed :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$644,000	\$1,211,700
Total	\$644,000	\$1,211,700
Importance Code A	\$644,000	\$825,000
Importance Code C		\$386,800
Total	\$644,000	\$1,211,700

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$56,100	\$200	\$3,000	\$21,800
Total	\$56,100	\$200	\$3,000	\$21,800
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
Total	\$56,100	\$200	\$3,000	\$21,800



Maintenance \$ are aggregated over a ten-year period. Site 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	Current Repair Future Re		Replacement Mai		
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways						
Deck				_		
Timber	100%	2024	\$79,900	5	\$2,400	
Gangways	1000/	20.46	* *	1.0	Φ	
Aluminum	100%	2046	* *	1-3	\$5,900	
Piles and Bracing	400/	2046	* *	15	¢4.000	
Timber Timber	40% 10% Now \$5,400	2046	* *	4-5 4-5	\$4,800 \$600	
Timber	10% Now \$5,400 Displaced Elements, Extent: Severe, A Location: Broken Timber Braces A	Area Affecte	ed : 25%	4-3	\$600	
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	
	Not Plumb, Extent : Severe, Area Affe Location : 69th Street Slip	cted : 100%	ó			
Not Accessible	40%					
Deck Elements Railing						
Timber	100%	2020	\$15,000			
Fender						
Piles						
Timber	20% Now \$550,800 Other Observation, Extent: Severe, A Location: Throughout Both Slips Explanation: Broken Or Missing		* * d : 50%			
Timber	60%	2027	* *			
1 miles	Other Observation, Extent : Moderate Location : Throughout Explanation : Abrasion		cted : 30%			
Not Accessible	20%					
Wales and Chocks						
Timber	20% Now \$93,100 Other Observation, Extent: Severe, A Location: In Areas With Damaged Explanation: Broken Or Missing	rea Affecte				
Timber	80%	2024	\$745,100			
Gallows Frames			·			
Tower Frames						
Timber	50% 2-4 \$32,700 Other Observation, Extent: Moderate Location: 69th Street Slip Explanation: Splitting/Rotting		* * cted : 50%			
Timbor		2020	* *			
Timber	50%	2029	* *			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Area Sq Ft : 1,200 Project Type : FERRIES

Date of Survey : 09-Dec-2014 Landmark Status : NONE

Areas Surveyed :

Block : 1 Lot : 70 BIN :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$172,000	\$232,200
Total	\$172,000	\$232,200
Importance Code A	\$136,100	\$232,200
Importance Code C	\$35,900	
Total	\$172,000	\$232,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$15,300	\$100	\$2,800	\$14,900
Total	\$15,300	\$100	\$2,800	\$14,900
Importance Code A	\$3,700			\$13,500
Importance Code B	\$11,500	\$100	\$100	\$1,400
Importance Code C			\$2,700	
Total	\$15,300	\$100	\$2,800	\$14,900



Maintenance \$ are aggregated over a ten-year period. Site 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

Marinas/Docks	Current Repai	r Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways						
Deck	400-1			_	*	
Concrete	100%	2035	* *	5	\$4,500	
	Cracking, Extent: Light, A	rea Affected : 10%				
	Location: Throughout	A CC . 1 20/				
	Spalling, Extent: Light, Ar					
<u>-</u>	Location : At Phantom Sl	ıр				
Gangways	1000/ 4	¢11.500 2052	* *	1.2	\$4,600	
Aluminum	100% 4+ Missing Connections, Exter	\$11,500 2052		1-3	\$4,600	
	Location: Phantom Slip	ni . Severe, Area Ajjet	.iea . 2570			
Piles and Bracing	200mion . 1 minom bup					
Steel	50%	2036	* *	5-10	\$13,800	
Steel	Corrosion, Extent : Modera		0%	5 10	Ψ13,000	
	Location : In Tidal Zone					
	Missing Coating, Extent : N	•	•			
	Location : In Tidal Zone					
Not Accessible	50%	•	<u> </u>			
Protective Structure	3070					
Pile Cluster						
Timber	60%	2027	* *	4-10	\$41,300	
Not Accessible	40%				+ 1- , = 0 0	
Deck Elements						
Railing						
Timber	25% Now	\$3,700 2021	\$3,700			
	Broken, Extent : Severe, Ar	ea Affected : 100%				
	Location: Phantom Slip					
Timber	75%	2020	\$11,200			
Fender						
Facing						
Timber	80%	2021	\$195,500			
	Other Observation, Extent	: Moderate, Area Affe	ected : 75%			
	Location: Throughout					
	Explanation: Abrasion					
Timber	15% Now	\$36,700 2026	\$36,700			
	Other Observation, Extent					
	Location : Timber Facing	g At Both Racks Of Ph	antom Slip			
	Explanation: Broken					
Not Accessible	5%					

Maintenance \$ are aggregated over a ten-year period. Site 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

Marinas/Docks	Current Repa	ir	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender Piles							
Steel	10% 2-4	\$28,400	2027	* *			
	Other Observation, Exten						
	Location : Corrosion Ho		rdware	Connections In T	idal Zone		
	Explanation : Corrosion	!					
Steel	50% 4+	\$71,000	2027	* *			
	Other Observation, Exten						
	Location : Throughout I	_	ash Zor	nes			
	Explanation : Missing C	oating					
Not Accessible	40%						
Wales and Chocks							
Timber	100%		2027	* *			
	Other Observation, Exten	t : Light, Area A	ffected	: 25%			
	Location: Throughout						
	Explanation: Splitting						
Gallows Frames							
Tower Frames							
Steel	100%		2035	**			
	Other Observation, Extend	_					
	Location : Isolated Thro	_	Support	Brackets Slip B-1			
11.0	Explanation: Corrosion	!					
Movable Ramps							
Bearings	100%		2035	* *			
Steel Deals and Reiling	100%		2033				
Deck and Railing Steel	100%		2035	* *			
Steel		t · Light Area A					
	Other Observation, Extent : Light, Area Affected : 5% Location : Isolated At Slips B-1 And B-2						
	Explanation: Coating L	-					
	Explanation . Coaling L	oss Ana Corros	ion				

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$62,600	\$759,200
Total	\$62,600	\$759,200
Importance Code A	\$62,600	\$759,200
Total	\$62,600	\$759,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$16,000	\$800	\$33,700	\$800
Total	\$16,000	\$800	\$33,700	\$800
Importance Code A	\$8,000		\$27,500	
Importance Code B	\$200	\$200	\$5,300	\$200
Importance Code C	\$7,800	\$600	\$900	\$600
Total	\$16,000	\$800	\$33,700	\$800



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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 R	eplacement	M	laintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways						
Deck		-0.40				
Steel	55%	2049	* *			
	Corrosion, Extent : Light, Area A					
	Location : At Bottom Of Gangy	vays				
No Component	45%					
Gangways	1000/	20.40	ale ale		Φ4 5 400	
Aluminum	100%	2049	**	1-3	\$17,600	
	Other Observation, Extent: Ligh			4.0		
	Location: Support Bracket Ha	rdware At Pier Con	nection Of Slip	A Gang	way	
Floriton De d	Explanation: Corrosion					
Floating Docks						
Anchor Piles	450/	2049	* *	2.5	¢11 000	
Steel	45% Corrosion, Extent : Light, Area A			3-5	\$11,900	
	Location : Above Mlw Elevatio		t Clin E			
		-	-			
	Missing Coating, Extent : Moder Location : Above Mlw Elevatio		10%			
		n				
Not Accessible	55%					
Fenders						
Rubber	25%	2021	\$2,500	1-2	\$1,900	
Rubber		,600 2023	\$7,600	1-2	\$5,000	
	Worn, Extent : Moderate, Area A					
	Location: Isolated At Fenders	All Slips At North S	lide			
Barge						
Steel	40%	2032	* *	5	\$15,900	
	Corrosion, Extent : Light, Area A					
	Location : Isolated On Barge S	urface, And Along	Sides Of Barge:	s Above .	Mlw Elevation	
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						

Fender

Maintenance \$ are aggregated over a ten-year period. Site 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

Marinas/Docks	Current Repair	Future Replac	ement	Maintenance		
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estima FY	ted Cost	Cycle (Yrs)	Estimated Cost	Priority
Fender			·	·		·
Piles						
Timber	45%	2027	* *			
	Other Observation, Extent : Light, Arc	ea Affected : 30%				
	Location : North Side Of Pier 11					
	Explanation: Worn					
No Component	25%					
Not Accessible	30%					
Movable Ramps						
Deck and Railing						
Steel	100%	2036	* *			
	Other Observation, Extent : Light, Arc	ea Affected : 75%				
	Location: On Gears Beneath Landi	ngs				
	Explanation: Corrosion					

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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$37,100	\$598,400
Total	\$37,100	\$598,400
Importance Code A	\$37,100	\$598,400
Total	\$37,100	\$598,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$8,200	\$400	\$19,800	\$400
Total	\$8,200	\$400	\$19,800	\$400
Importance Code A	\$5,900		\$15,900	
Importance Code B	\$200	\$200	\$3,600	\$200
Importance Code C	\$2,200	\$200	\$400	\$200
Total	\$8,200	\$400	\$19,800	\$400



Maintenance \$ are aggregated over a ten-year period. Site 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	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways						
Deck						
Steel	53% Corrosion, Extent : Light, Area Affecte Location : On Gangway Supports An		* * om Of Gangways			
No Component Not Accessible	45% 2%					
	270					
Gangways Aluminum	100%	2049	* *	1-3	\$11,700	
Floating Docks						
Anchor Piles						
Steel	45%	2049	* *	3-5	\$5,900	
	Corrosion, Extent : Light, Area Affecte Location : Above Mlw Elevation	d : 10%				
	Missing Coating, Extent: Moderate, A.	raa Affact	ad : 10%			
	Location: Above Mlw Elevation	геи Ајјесі	ей . 10/0			
Not Accessible	55%					
Fenders	33%					
Rubber	50% 2-4 \$2,000	2023	\$2,000	1-2	\$1,300	
Kuooci	Worn, Extent : Moderate, Area Affected		\$2,000	1-2	φ1,500	
	Location : Fenders On East Side Of S					
Rubber	50%	2021	\$2,000	1-2	\$1,500	
Barge	20,0		Ψ 2 ,000		Ψ1,000	
Steel	40%	2032	* *	5	\$10,800	
	Corrosion, Extent : Light, Area Affecte	d: 10%			. ,	
	Location : Isolated On Barge Surface Waterline), And Along Sides	Of Barg	es Above The	
Not Accessible	60%					
Deck Elements						
Railing						
Steel	100%	2022	\$598,400			
Electrical						
Conduit	1000/	2010	¢12.000			
PVC	100%	2019	\$13,800			
Lighting Fixture Incandescent	100%	2017	\$37,100			
Fender	10070	2017	\$37,100			
Piles						
Timber	30%	2027	* *			
1 11110 01	Other Observation, Extent : Light, Area		! : 30%			
	Location : In Tidal Zone					
	Explanation: Worn					
No Component	50%					
Not Accessible	20%					
Movable Ramps						

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Marinas/Docks	Current Re	pair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date F Total (Years)	Estimated Cost	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Movable Ramps							
Deck and Railing							
Steel	1% 4+	\$500	2038	* *			
	Other Observation, Ext	ent : Moderate, A	rea Affec	ted : 1%			
	Location : Grating At	Edge Of West Sid	de Of Slip	B Landing			
	Explanation: Broken	Element					
Steel	99%		2032	* *			
	Other Observation, Ext	ent : Light, Area .	Affected :	75%			
	Location : On Gears I	Beneath Landing					
	Explanation: Corrosi	on					

Print Date: 23-Oct-2015 **DEPARTMENT OF TRANSPORTATION - FY 2016**

: WEST MIDTOWN FERRY TERMINAL PIER 79 NORTH RIVER **Asset Name** : WEST 39TH STREET & 12TH AVENUE @THE HUDSON RIVER Address Borough Agency's Number : MANHATTAN : 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 :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$323,600	\$973,200
Total	\$323,600	\$973,200
Importance Code A	\$323,600	\$973,200
Total	\$323,600	\$973,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$11,600	\$2,000	\$17,500	\$2,000
Total	\$11,600	\$2,000	\$17,500	\$2,000
Importance Code A	\$800			
Importance Code B	\$700	\$700	\$15,500	\$700
Importance Code C	\$10,100	\$1,300	\$2,000	\$1,300
Total	\$11,600	\$2,000	\$17,500	\$2,000



Maintenance \$ are aggregated over a ten-year period. Site 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 R	eplacement	M	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
ccess Walkways						
Deck						
Steel	15%	2043	* *			
No Component	85%					
Gangways	1000/	20.42	* *	1.2	¢51 100	
Aluminum	100%	2043	* *	1-3	\$51,100	
Piles and Bracing Steel	50%	2043	* *	5-10	\$1,100	
Steel	Corrosion, Extent : Light, Area Aj Location : Above Mlw			3-10	\$1,100	
	Missing Coating, Extent: Light, A Location: Above Mlw	Area Affected : 15%	6			
Not Accessible	50%					
loating Docks Anchor Piles						
Steel	50%	2043	* *	3-5		
	Corrosion, Extent : Light, Area Aj Location : Above Mlw	ffected : 10%				
	Missing Coating, Extent : Light, A Location : Above Mlw	Area Affected : 15%	6			
Not Accessible	50%					
Fenders						
Rubber	60%	2021	\$13,300	1-2	\$10,000	
Rubber		900 2023	\$8,900	1-2	\$5,900	
	Worn, Extent : Moderate, Area Af Location : At Contact Point Wit	,				
Railing	Location . It Contact I out with	a i crites				
Steel	99%	2021	\$833,100			
Steel		800 2021	\$8,400			
	Location: Chain At North End (Missing Components, Extent: Mo	-				
	Location: Chain At South End (Of Terminal, Slip	!			
Barge			<u> </u>			
Steel	50%	2032	* *	5	\$71,900	
	Corrosion, Extent : Light, Area Aj Location : Isolated Throughout	=	Barges			
	Displaced Component, Extent : Li	ight, Area Affectea	!: 10%			
	Location: Up To 2 Inch At Com Ferry Side Beyond Railing.		, and the second	nd North	& South Barges.	
	Other Observation, Extent : Light Location : On Side Of Barge, No		%			
	Explanation : Impact Damage In					
Not Accessible	50%					
lectrical						
Conduit						
Steel	100%	2021	\$71,000			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Marinas/Docks		Current Repa	air	Futur	e Replacement	M	aintenance	
System Component Type		ail Date Es (Years)	timated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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			
			t : Moderate, 1	Area Affe	ected : 50%			
		Throughout						
	Explanatio	on : Wear						
Timber	-0,0	Now	\$31,000	2028	* *			
	Other Obser	vation, Exten	ıt : Severe, Are	a Affecte	d : 50%			
	Location:	At North Do	lphin					
	Explanatio	on : Broken P	iles					
Timber	5%	2-4	\$6,200	2028	* *			
	Other Obser	vation, Exten	t : Moderate, A	Area Affe	ected : 25%			
	Location:	At South Dol	lphin					
	Explanatio	n : Abrasion	Damage And	Broken W	Vire Rope			
Not Accessible	50%							
Movable Ramps								
Deck and Railing								
Steel	100%			2032	* *			

^{**} 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 : WHITEHALL FERRY TERMINAL FERRY SLIPS 1 - 3
Address : UPPER NEW YORK BAY SOUTH ST & WHITEHALL ST

Borough : MANHATTAN Agency's Number : N/A

 $Program / Asset \# \quad : \ DOT0190.000 / \ 13889 \qquad \qquad Yr \ Built/Renovated \quad : \\$

Area Sq Ft : 6,510 Project Type : FERRIES

Date of Survey : 08-Sep-2014 Landmark Status : NONE

Areas Surveyed :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks	\$641,100	\$2,138,400
Total	\$641,100	\$2,138,400
Importance Code A	\$641,100	\$2,138,400
Total	\$641,100	\$2,138,400

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$16,700			
Total	\$16,700			
Importance Code A	\$16,700			
Total	\$16,700			



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	Cu	ırrent Repai	ī	Futur	e Replacement	М	aintenance	
System Component Type		Date Estin	mated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways	•			•		•		
Deck								
Concrete	45% Cracking, Exte Location : Is	_		2035	* *	5		
Timber	5%			2024		5		
Not Accessible	50%							
Piles and Bracing								
Steel	10% Corrosion, Ext Location : Al		Area Affected	2046 : 30%	* *	5-10		
Not Accessible	90%							
Fender Facing								
Timber	15% 2 Other Observa Location : Th Explanation	hroughout	\$320,800 : Moderate, A	2024 Area Affe	\$320,800 cted : 40%			
Timber	85% Other Observa Location : TI Explanation	hroughout	: Light, Area	2021 Affected	\$1,817,700 : 30%			
Piles	Ехрининон	. Abrusion						
Timber	5% N Other Observa Location : O Explanation	ffshore Clusi		2031 a Affecte	* * d : 40%			
Timber	10% 4 Other Observa Location : TI Explanation	hroughout		2031 Area Affe	* * cted : 30%			
Timber	45%			2027	* *			
Not Accessible	40%							
Wales and Chocks Timber	10% 2 Other Observa Location : Is Explanation	olated Throu	ighout	2031 Area Affe	* * cted : 40%			
Timber	50%	<u> </u>	0	2027	* *			
Not Accessible	40%			2021				
Gallows Frames Tower Frames				2007				
Steel	100% Other Observa Location : Is			2035 Affected	* * : 2%			
	Explanation	· Coating D	amaaa					

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.

 ${\it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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

Marinas/Docks	Current Repair	Futur	e Replacement	M	aintenance		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Movable Ramps							
Bearings							
Not Accessible	100%						
Deck and Railing							
Steel	65%	2035	* *				
	Other Observation, Extent: Light	t, Area Affected	: 2%				
	Location: Throughout						
	Explanation: Coating Loss On	Railing					
Steel	5% 0-2 \$16	5,700 2035	* *				
	Other Observation, Extent: Light, Area Affected: 100%						
	Location : Slip Two Bottom Rai	mp					
	Explanation : Asphalt Deck Sur	face Delaminat	ing				
Not Accessible	30%						

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 187

Borough : BRONX Agency's Number : N/A

 $Program \, / \, Asset \, \# \quad : \, \, DOT0202.000 \, / \, 14196 \qquad \qquad Yr \, Built/Renovated \quad : \, \\$

Area Sq Ft : 2,948 Project Type : FERRIES

Date of Survey : 09-Jan-2012 Landmark Status : NONE

Areas Surveyed :

CAPITAL	FY 2017 - 2020	FY 2021 - 2026
Marinas/Docks		\$285,200
Total		\$285,200
Importance Code A		\$285,200
Total		\$285,200

EXPENSE	FY 2017	FY 2018	FY 2019	FY 2020
Marinas/Docks	\$11,600	\$500	\$2,800	\$200
Total	\$11,600	\$500	\$2,800	\$200
Importance Code A	\$11,400		\$700	
Importance Code B	\$100	\$100	\$2,000	\$100
Importance Code C	\$100	\$300	\$100	\$100
Total	\$11,600	\$500	\$2,800	\$200



 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} 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	Futu	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways						
Gangways Steel	100% Corrosion, Extent : Light, Area Affected		* *	1-3	\$6,700	
-	Location : At Underside And Along Si	ırface Oj	East And West Ga	ingways		
Floating Docks						
Anchor Piles	500/	20.42	* *	2.5	¢2.200	
Steel	50% Corrosion, Extent : Light, Area Affected Location : Above Waterline Other Observation, Extent : Light, Area		**	3-5	\$2,200	
	Location : Above Waterline Explanation : Abrasion	Аујестеа	1: 20%			
Not Accessible	50%					
Deck						
Steel	100% Corrosion, Extent : Light, Area Affected Location : Surface And Underside Of		\$2,600			
Fenders	Location . Surface that Othersiae Of	Licvaica	1 taijoim			
Rubber	25% Worn, Extent : Light, Area Affected : 29 Location : Rubber Tires At West Side	2021	\$500	1-2	\$400	
Rubber	25% Worn, Extent : Light, Area Affected : 29 Location : North Face Of Barge	2022	\$500	1-2	\$400	
Timber	25% Worn, Extent : Light, Area Affected : 10 Location : South Face Of Barge	2021	\$300	3	\$800	
No Component	25%					
Barge Steel	60%	2032	* *	5	\$5,700	
	Corrosion, Extent : Light, Area Affected Location : Along Sides Of Barge Abov		I And Isolated A	t Rarge S	Surface	
	Other Observation, Extent: Moderate, Location: Barge Listing To The South Explanation: Listing	Area Affe		i Burge s	<i>inface</i>	
Not Accessible	40%					
Deck Elements Railing						
Steel	100% Corrosion, Extent : Light, Area Affected Location : Isolated Throughout	2021 l:5%	\$285,200			
Electrical						
Conduit Steel	100%	2022	\$14,500			
Lighting Fixture Sodium	100%	2017	\$8,600			

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841

Project: HIGHWAYS

CAPITAL		FY 2	017 - 2020		F	Y 2021 - 2026
Miscellar	neous Buildings		142,700			64,900
EXPENSE		FY 2017	FY 2018		FY 2019	FY 2020
Miscellar	neous Buildings	178,300	23,000		27,800	27,700
ASSET#	NAME			SQFT	CAPITAL	EXPENSE
545	ARTERIAL & FLEET SEF	RVICES SHED 2		1,000	0	19,900
546	ARTERIAL & FLEET SEF	RVICES SHED 3		1,000	0	19,900
547	ARTERIAL & FLEET SEF	RVICES SHED 4		1,000	0	19,900
548	ARTERIAL & FLEET SEF	RVICES GUARD HOUS	E 1	96	0	1,900
553	KENT AVENUE BRIDGE BOILER ROOM	COMPLEX GARAGE 6	5,7 &	2,248	58,600	4,400
565	ARTERIAL & FLEET SEF	RVICES STORAGE 2		1,073	0	21,300
566	ARTERIAL & FLEET SEF	RVICES TRAILER 1		300	0	6,000
567	ARTERIAL & FLEET SEF	RVICES TRAILER 2		224	0	4,400
568	ARTERIAL & FLEET SEF	RVICES TRAILER 3		480	0	9,500
569	ARTERIAL & FLEET SEF	RVICES TRAILER 4		480	0	9,500
570	ARTERIAL & FLEET SEF	RVICES SHED 1		600	0	11,900
1014	GLENDALE YARD BLDO	G. 6		831	0	16,500
1015	GLENDALE YARD BLDO	G. 5		913	0	18,100
1016	GLENDALE YARD BLDO	G. 8		600	0	11,900
1017	GLENDALE YARD BLDO	G. 9		288	0	5,700
1025	HAMILTON AVE. ASPHA	ALT PLANT STORAGE		1,472	38,300	2,900
1026	HAMILTON AVE. ASPHA	ALT PLANT STORAGE		96	0	1,900
1027	FLATLANDS AVENUE Y	ARD GARAGE 7		105	0	2,100
1037	FLATLANDS AVENUE Y	ARD GARAGE 3		480	0	9,500
1038	FLATLANDS AVENUE Y	ARD GARAGE 4		1,000	0	19,900
1039	FLATLANDS AVENUE Y	ARD GARAGE 5		1,000	0	19,900
1040	FLATLANDS AVENUE Y	ARD 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 S	Systems		0			0
EXPENSE	Ε	FY 2017	FY 2018		FY 2019	FY 2020
Special S	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 B RIVER	BRIDGE WILLIAMSBURG	G BR/EAST	741,020	0	13,471,000

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

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	F	Y 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 S	Systems		34,966,000			0
EXPENSE		FY 2017	FY 2018		FY 2019	FY 2020
Special S	Systems	23,400,000	23,400,000		23,400,000	23,400,000
ASSET #	NAME			SQFT	CAPITAL	EXPENSE
2829	STREET LIGHTING SYST	EM			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

 $^{{\}it Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.}$

^{**} Replacement cost estimated to be beyond ten years is not included in this report.

DEPARTMENT OF TRANSPORTATION - 841

Project: TRAFFIC

CAPITAL		FY 2017 - 2020			FY 2021 - 2026		
Special Systems		15,346,000			0		
EXPENSE	E	FY 2017	FY 2018		FY 2019	FY 2020	
Special S	Systems	39,066,000	42,322,000		42,322,000	42,322,000	
ASSET #	NAME			SQFT	CAPITAL	EXPENSE	
2830	TRAFFIC LIGHT SYSTEM				15,346,000	166,032,000	

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

^{**} Replacement cost estimated to be beyond ten years is not included in this report.