Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : ARLINGTON BRANCH LIBRARY

Address : 203 ARLINGTON AVE. @WARWICK ST.

Borough : BROOKLYN Agency's Number : 21

Area Sq Ft : 16,385 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 25-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2,3

Block : 3923 Lot : 52 BIN : 3087001

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$136,000	\$41,400
Interior Architecture		\$140,800
Electrical		\$215,800
Mechanical		\$209,100
Total	\$136,000	\$607,100
Importance Code A	\$136,000	\$41,400
Importance Code B		\$565,700
Total	\$136,000	\$607,100

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture		\$5,200		
Interior Architecture	\$30,300			\$2,100
Electrical	\$200	\$2,500	\$200	\$200
Mechanical	\$2,000	\$4,700	\$3,700	\$2,500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$36,500	\$16,300	\$7,800	\$8,800
Importance Code A	\$800	\$6,100	\$800	\$800
Importance Code B	\$19,400	\$10,300	\$7,000	\$7,900
Importance Code C	\$16,200			
Total	\$36,500	\$16,300	\$7,800	\$8,800



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

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

Asset #: 13233

Architecture		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			*			_		
Masonry: Brick	Location	: East Fac	\$136,000 : Moderate, Area . cade l, Extent : Moderat			5	\$22,700	
	Vegetation	: Through Growth, E : Rear Fac	Extent : Moderate, 1	Area Affe	ected : 20%			
	Water Pen	etration, E	xtent : Moderate, A By Elevator	Area Affe	cted : 5%			
Masonry: Limestone	10%			LIFE	* *	5	\$1,900	
Windows								
Aluminum	95%			2032	* *	5	\$5,000	
Wood	5%			2032	* *	5	\$2,700	
Parapets Metal Cornice	100%			2039	* *	10		
Roof								
Asphalt Shingle	70%			2027	\$41,400 * *	10	\$2,000	
Modified Bitumen	_	Evident, Ex : Through	tent : Light, Area A out	2029 Affected :		10	\$5,200	
terior Floors								
Cast in Place Concrete	20%			LIFE	* *	5	\$9,700	
Ceramic Tile	5%			2027	\$21,400	5	\$1,100	
Vinyl Tile	75%	Now	\$14,100	2024	\$140,800	3	\$6,300	
,	_	Crumbling, : Through	Extent: Moderate				, -,-	
	Loose Unit	_	Moderate, Area Aj	ffected :	10%			
Interior Walls		· · ·						
Ceramic Tile	5%			2027	\$34,900	5	\$1,300	
Plaster			\$16,200	LIFE	* *	5	\$6,100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20% Location : Hallway By Elevator, Meeting Room							
			xtent : Moderate, A By Elevator	Area Affe	cted : 15%			
Wood	15%			LIFE	* *	5	\$15,300	
Ceilings								
Gypsum Board	10%			LIFE	* *	5	\$2,800	
Plaster	87%			LIFE	* *	5	\$12,100	
Wood	3%			LIFE	* *	5	\$5,800	

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

 $[\]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 #: 13233

Electrical	Current Repair	Future Rep	lacement	Maintenance		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estin	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	50%	2034	* *	5		
	Other Observation, Extent : Mode	erate, Area Affected :	100%			
	Location: Electrical Room		_			
	Explanation: One 200 Amps M					
Fused Disc Sw	50%	2034	* *	5		
	Other Observation, Extent : Mode	erate, Area Affected :	100%			
	Location : Electrical Room					
-	Explanation : One 400 Amps M	ain Disconnect Switc	h			
Switchgear / Switchboard	1000		ale ale	_	* 400	
Molded Case Bkrs	100%	2034	* *	5	\$400	
Raceway	1000/	2024	* *	1		
Conduit	100%	2034	* *	1		
Panelboards	50/	2022	* *	_		
Fused Disc Sw	5%	2032 2032	**	5	\$400	
Molded Case Bkrs	95%	2032	* *	5	\$400	
Wiring	100%	2034	* *	1		
Thermoplastic Motor Controllers	100%	2034		1		
	100%	2029	* *	5	\$100	
Locally Mounted Ground	100%	2029		3	\$100	
Grounding Devices						
Generic Generic	100%	LIFE	* *	5	\$200	
Lighting	10070	En E			Ψ200	
Interior Lighting						
Fluorescent	95%	2024	\$154,400	10	\$14,300	
11001000011	T-12 Lamps And Fixtures, Extent				Ψ1.,000	
	Location : Throughout The Buil					
Fluorescent	5%	2032	* *	10	\$800	
Tuorescent	T-5 Lamps And Fixtures, Extent:		cted · 100%	10	φοσο	
	Location: Computer Room And					
Egress Lighting						
Emergency, Battery	50%	2029	* *	10	\$2,000	
Exit, Service	50%	2029	* *	1	Ψ2,000	
Exterior Lighting	2070	2027				
HID	100%	2024	\$61,300	10	\$100	
Alarm	20070	202.	Ψ01,500	10	Ψ100	
Security System						
Security System No Component	70%					

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

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

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

Asset #: 13233

Mechanical	Current R	Current Repair Future Replacement						
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%		2044	* *	1			
Conversion Equipment								
Hot Water Boiler	100%		2029	* *	1	\$8,100		
	Other Observation, Ex	_	Affected	: 100%				
	Location : Boiler Ro							
Distribution	Explanation : One U	riii						
Hot Wtr Piping/Pump	100%		2032	* *	4	\$800		
Terminal Devices	10070		2032			ΨΟΟΟ		
Convector/Radiator	100%		2029	* *	1	\$5,300		
Air Conditioning						, , , , - , -		
Energy Source								
Electricity	100%		2040	* *	1			
Conversion Equipment								
Interior Pkg Unit -	100%		2022	\$209,100	2	\$1,000		
Cooling								
	R-22 Refrigerant, Exte		ffected :	100%				
7	Location: 2 Units In	A C Room						
Ventilation Distribution								
Distribution Ductwork/Diffusers	100%		LIFE	* *	2-5	\$9,100		
Exhaust Fans	100/0		LIIL		2-3	\$9,100		
Interior	100%		2024	\$17,900	2	\$500		
lumbing				+,,,		7500		
H/C Water Piping								
Brass/Copper	100%		2034	* *	1			
Water Heater								
Electric	100%		2019	\$2,500	4	\$100		
Sanitary Piping								
Cast Iron	100%		LIFE	* *	1			
Storm Drain Piping	400-			de de				
Cast Iron	100%		LIFE	* *	1			
Sump Pump(s)	1000/		2020	* *	Л	\$1,600		
Rigid Piping	100%		2029		4	\$1,000		
Fixtures Generic	100%							
Vertical Transport	100/0							
Elevators								
Hydraulic	100%		LIFE	* *				
y 	Other Observation, Ex	tent : Light, Area		: 100%				
	Location: B, Ll, L, 2	_	==					
	Explanation: 1 Unit							

Fire Suppression

Maintenance \$ are aggregated over a 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

BROOKLYN PUBLIC LIBRARY - 038 ARLINGTON BRANCH LIBRARY

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
Fire Suppression				
Chemical System				
No Component	90%			
Generic	10%	2022 \$2,600	1-3 \$5,100	
	Other Observation, Extent : Light, Area	a Affected : 100%		
	Location : Throughout			
	Explanation: Fire Extinguishers			

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BAY RIDGE BRANCH LIBRARY

Address : 7223 RIDGE BOULEVARD @73RD STREET

Borough : BROOKLYN Agency's Number : 28

Area Sq Ft : 16,506 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 26-Feb-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 5907 Lot : 1 BIN : 3147279

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Interior Architecture	\$75,100	
Electrical	\$4,900	\$61,800
Total	\$80,000	\$61,800
Importance Code B	\$80,000	\$61,800
Total	\$80,000	\$61,800

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$65,500	\$10,700	\$6,500	
Interior Architecture	\$700	\$600	\$1,300	\$3,300
Electrical	\$2,900	\$19,100	\$2,100	\$1,500
Mechanical	\$1,900	\$16,200	\$3,300	\$4,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$74,900	\$50,500	\$17,100	\$13,200
Importance Code A	\$66,300	\$11,700	\$7,400	\$800
Importance Code B	\$7,900	\$38,800	\$9,700	\$12,400
Importance Code C	\$700			
Total	\$74,900	\$50,500	\$17,100	\$13,200



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 #: 13234

Architecture		Current l	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	5 0/			LIDE	* *	_	¢5 100	
Glazed Ceramic Panel Masonry: Brick	5% 10%	Now	\$6,500	LIFE LIFE	* *	5 5	\$5,100 \$2,200	
Masonly. Blick	Jnt Morta	r Miss/Ero	d, Extent : Moderat And Bulkheads		Affected : 25%	3	\$2,200	
Masonry: Brick	60%			LIFE	* *	5	\$13,000	
Masonry: Limestone	5%	Now	\$11,700	LIFE	* *	5	\$800	
·		r Miss/Eroo ı : At Colur	d, Extent : Moderat nns	te, Area A	Affected : 20%			
Metal Panel	5%			2044	* *	5-10	\$7,400	
Window Wall	15%			2044	* *	5	\$12,200	
Windows								
Aluminum	90%			2040	* *	5	\$7,200	
Aluminum	10%			2032	* *	5	\$800	
Parapets Masonry: Brick	Location Spalling, I	r Miss/Eroo i : Interior	derate, Area Affect			5	\$2,400	
Masonry: Limestone	5%	Now	\$1,800 d, Extent : Moderat	LIFE	* * *	5	\$200	
		i : Coping	i, Exieni : Moderdi	c, 111 cu 1	1)Jeereu : 2570			
Metal Panel	5%			2044	* *	5	\$700	
Metal Rail	20%			2044	* *	5-10	\$12,400	
Roof	2070			2037		3-10	Ψ12,400	
Copper/Terne	5%			2039	* *	10	\$2,200	
Modified Bitumen	88% Blisters, E Location	Extent : Mod 1 : Over Sed		2029 ed : 15%				
	•	en/Split, Ex 1 : Over Sec	ctent : Moderate, A cond Floor	rea Affec	cted : 15%			
Skylight, Metal/Glass	2%			2034	* *	10	\$1,200	
Skylight, Metal/Glass	5%			2050	* *	10	\$3,000	
nterior Floors								
Cast in Place Concrete	10%			LIFE	* *	5	\$4,900	
Terrazzo	5%			LIFE	* *	5	\$900	
Vinyl Tile	45%	0.5	4-7 10-	2029	* *	3	\$3,800	
Vinyl Tile		0-2 Failure, Ex 1 : Second I	\$75,100 tent : Moderate, Ar Floor	2034 rea Affec	* * cted : 50%	3	\$3,300	
		its, Extent : 1 : Second I	Moderate, Area Aj Floor	ffected :	30%			

Maintenance \$ are aggregated over a 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 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								
Ceramic Tile	5%			2033	* *	5	\$1,300	
Concrete Masonry Unit	10%			LIFE	* *	5	\$1,100	
Gypsum Board	60%			LIFE	* *	5	\$9,500	
Masonry: Brick	10%			LIFE	* *			
Plaster	5%			LIFE	* *	5	\$400	
SGFT/Glazed Masonry	10%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	20%			2041	* *	5	\$4,500	
AcousTileSusp.Lay-In	5%			2029	* *	5	\$1,100	
Exposed Concrete	10%			LIFE	* *	5	\$300	
Gypsum Board	60%			LIFE	* *	5	\$16,700	
Plaster	5%			LIFE	* *	5	\$700	

Electrical	Current Repair		Futur	e Replacement	Maintenance			
System Component Type	% of Total	Fail Date l (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2044	* *	5	\$400	
		ervation, Ext : Electrical	tent : Moderate, 1 Room	Area Affe	ected : 100%			
	Explanati	on : Main S	ervice Disconnec	t Rated	@ 800 Amperes			
Switchgear / Switchboard Molded Case Bkrs	100%			2044	* *	5	\$400	
Raceway								
Conduit	100%			2044	* *	1		
Panelboards								
Fused Disc Sw	10%			2040	* *	5		
Molded Case Bkrs	90%			2040	* *	5	\$400	
Wiring								
Braided Cloth	5%	2-4	\$1,400	2049	* *	1		
		_	t : Moderate, Are	a Affecte	ed : 100%			
	Location	: Boiler Roo	om					
Thermoplastic	95%			2044	* *	1		
Motor Controllers								
Locally Mounted	50%			2037	* *	5	\$100	
Locally Mounted	50%			2022	\$15,000	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$200	
Lighting								

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

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

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

Electrical	Current Repa	ir F <u>utu</u>	Future Replacement		Maintenance				
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Lighting									
Interior Lighting									
Fluorescent	62%	2029	* *	10	\$9,400				
	T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
	Location: Throughout T								
Fluorescent	25%	2029	* *	10	\$3,800				
	T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
	Location: Reading Area	as							
Fluorescent	10%	2029	* *	10	\$1,500				
	Other Observation, Exten	t : Moderate, Area Affe	ected : 100%						
	Location: 2nd Floor								
	Explanation: Compact	Fluorescent Light Fixt	ures						
Fluorescent	3%	2019	\$4,900	10	\$500				
	T-12 Lamps And Fixtures	, Extent : Moderate, Ar	ea Affected : 100%	ó					
	Location: Basement								
Egress Lighting									
Emergency, Battery	50%	2029	* *	10	\$2,000				
Exit, LED	10%	2052	* *	1					
Exit, Service	40%	2029	* *	1					
Exterior Lighting									
HID	100%	2024	\$61,800	10	\$100				
Alarm									
Security System									
Generic	100%	2029	**	1	\$6,200				
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Inside And O	e e							
	Explanation: CCTV	Surveillance Cameras							
Fire/Smoke Detection	1000/	2020	ماء ماء	1.0	Φ10 2 00				
Generic	100%	2029	**	1-3	\$10,200				
	Other Observation, Extent: Moderate, Area Affected: 100%								
	Location : Throughout The Building Explanation : Strobe Lights, Manual Pull Station, Alarm Bells, And Smoke Detectors								
	Explanation : Strobe Lig	gnts, Manual Pull Stati	on, Alarm Bells, Ai	ia Smoke	Detectors				

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
Heating							
Energy Source							
Natural Gas	100%		2044	* *	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 #: 13234

Mechanical	Current Repair		acement	М		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estim	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating Conversion Equipment Furnace	70% Other Observation, Extent : Light, Are Location : Roof Explanation : 3 Package Units	2029 a Affected : 70%	* *	1	\$5,700	
Hot Water Boiler	30% Other Observation, Extent: Light, Are Location: Basement Boiler Room Explanation: 1 Unit	2037 a Affected : 30%	* *	1	\$2,500	
Distribution						
Hot Wtr Piping/Pump No Component	30% 70%	2040	* *	4	\$200	
Terminal Devices						
Air Handler	70%	2029	* *	1	\$7,100	
Convector/Radiator	30%	2037	* *	1	\$1,600	
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment Reciprocating Compr/Chiller	10%	2029	* *	1	\$800	
Complicamica	R-22 Refrigerant, Extent : Light, Area Location : Roof	Affected : 10%				
Ext Pkg Unit - Heating/Cooling	90%	2029	* *	2	\$900	
g g	R-22 Refrigerant, Extent : Light, Area Location : Roof					
	Other Observation, Extent: Light, Are Location: Roof Explanation: 3 Package Units	a Affected : 90%				
Terminal Devices	emperation . I actuage Onus					
Fan Coil - Cooling	10%	2029	* *	1	\$500	
No Component	90%	-			+	
Heat Rejection						
Air Condenser Unit	100%	2029	* *	2	\$11,500	
Ventilation					•	
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$9,200	
Exhaust Fans						
Interior	20%	2029	* *	2	\$100	
Roof	80%	2029	* *	2	\$400	
Plumbing						
H/C Water Piping	100-1			_		
Brass/Copper	100%	2044	* *	1		
Water Heater Gas Fired	100%	2022	\$3,800	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.

Mechanical	lechanical Current Repair		Replacement	Maintenance		
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year E FY	Stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sewage Ejector(s)						
Electric	100%	2019	\$11,000	4	\$2,500	
	Obsolete Equipment, Extent : M	oderate, Area Affec	eted : 100%			
	Location: Old Type Unit, Bas	ement Custodian Ro	oom			
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Lig	ht, Area Affected : 1	100%			
	<i>Location</i> : <i>B</i> , <i>1</i> , 2					
	Explanation: 1 Unit					

Page: 12

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BEDFORD BRANCH LIBRARY

Address : 496 FRANKLIN AVE. @HANCOCK ST.

Borough : BROOKLYN Agency's Number : 22

Area Sq Ft : 17,184 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 28-Feb-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,mez,2

Block : 1997 Lot : 32 BIN : 3057384

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$166,300	\$38,300
Mechanical		\$65,800
Total	\$166,300	\$104,100
Importance Code A	\$166,300	\$38,300
Importance Code B		\$65,800
Total	\$166,300	\$104,100

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$80,100	\$700	\$1,500	
Interior Architecture	\$45,900		\$69,500	\$1,900
Electrical	\$6,900	\$1,400	\$2,200	\$1,700
Mechanical	\$17,700	\$13,000	\$3,700	\$3,000
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$154,600	\$19,100	\$80,800	\$10,500
Importance Code A	\$80,900	\$1,600	\$2,600	\$900
Importance Code B	\$55,900	\$17,500	\$78,200	\$9,600
Importance Code C	\$17,900			
Total	\$154,600	\$19,100	\$80,800	\$10,500



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 #: 13235

chitecture	Current Repair Future Replacement			M			
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior							
Exterior Walls							
Cast Stone/Terra Cotta	12%		LIFE	* *	5	\$30,700	
Cast Stone/Terra Cotta	3% Now	\$27,500	LIFE	* *	5	\$7,700	
	Cracking/Crumbling,		e, Area A <u>f</u>	fected : 20%			
	Location : Chimney						
	Crazing, Extent: Mo		ed : 10%				
	Location : Chimney						
	Jnt Mortar Miss/Eroc		te, Area A	Affected: 25%			
	Location : Chimney						
Masonry: Brick	85% Now	\$166,300	LIFE	* *	5	\$27,800	
	Cracking/Crumbling,		, Area A <u>f</u>	fected : 25%			
	Location : Through						
	Jnt Mortar Miss/Eroo		te, Area A	Affected : 15%			
	Location: Through						
	Spalling, Extent : Lig		20%				
	Location : Through	out					
Windows							
Aluminum	85%		2040	* *	5	\$3,000	
Steel	15% Now	\$26,900	2049	* *	5	\$3,300	
	Air Infiltration, Exter		ı Affected	: 50%			
	Location: Basemen						
	Glazing Broken/Crac		erate, Are	a Affected : 5%			
	Location : Staff Roo			cc 1 500/			
	Thermally Inefficient		e, Area Aj	fected: 50%			
	Location: Basemen		4 CC . 1	750/			
	Unit Inoperable, Exte		Affected :	/3%			
	Location : Basemen	et e					
Parapets Good Storm (Town Court	100/ N.	¢4.600	LIEE	* *	-	¢2.000	
Cast Stone/Terra Cotta	10% Now Jnt Mortar Miss/Eros	\$4,600	LIFE		5	\$2,800	
	Location : Coping	i, Exieni : Moaera	ie, Area A	ijjeciea : 25%			
		d Extent Modern	sta Amag	Affacted , 250/			
	Caulking Deteriorate Location: Coping	а, Ехіені . Мойен	не, Агеа	Ајјества . 2576			
W D:1		Φ1 6 000	T TEE	* *		Φ2.000	
Masonry: Brick	80% Now	\$16,800	LIFE		5	\$2,900	
	Jnt Mortar Miss/Eroc Location : Through		ie, Area A	ijjeciea : 15%			
	Water Penetration, E		Anag Affa	atad . 200/			
	Location : Over Cla		А геи Аује	ciea . 20%			
M . 15 1		1331 OOH 2	20.44	* *		ф1 400	
Metal Panel	10%		2044	~ *	5	\$1,400	
Roof	2504		2027	¢14 200	10	\$700	
Asphalt Shingle	25% 75% Now	\$4.200	2027 2029	\$14,200 * *	10	\$700	
Single Ply Membrane		\$4,200					
	Patching Evident, Ex Location: Through		ей Ајјесі	еи. 30/0			
	Water Penetration, E		Area Affa	cted · 5%			
			ътеи Аује	.iea . 5/0			
	Location: Over 2nd		2. 00. 11,10				

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 #: 13235

rchitecture		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								
Carpet	23%			2020	\$66,800	3	\$7,900	
Cast in Place Concrete	5%			LIFE	* *	5	\$2,500	
Ceramic Tile	5%			2033	* *	5	\$1,100	
Marble Panels	2%			LIFE	* *	5	\$300	
Vinyl Tile	65%	0-2	\$12,600	2029	* *	3	\$5,600	
	Cracking/Crumbling, Extent : Light, Area Affected : 15% Location : First Floor							
	Loose Uni	its, Extent :	Moderate, Area Aj	fected : .	30%			
	Location	: First Flo	oor And Mezzanine					
Interior Walls								
Ceramic Tile	5%			2033	* *	5	\$2,100	
Concrete Masonry Unit	2%	Now	\$900	LIFE	* *	5	\$300	
Ž	Broken/M	issing Elem	ents, Extent : Seve	re, Area	Affected : 25%			
	Location	: Mechani	ical Room Near Au	ditorium				
Gypsum Board	40%			LIFE	* *	5	\$10,000	
Masonry: Brick	5%			LIFE	* *		7-0,000	
y. <u>-</u>	Water Per	netration, E	xtent : Moderate, A		cted : 10%			
			ion Wall At Boiler					
Plaster	48%	Now	\$15,900	LIFE	* *	5	\$6,000	
Tidotoi			xtent : Severe, Area		d: 10%	J	φο,σσσ	
		ı : Lunch R		,,,				
Ceilings								
AcousTileSusp.Lay-In	5%			2037	* *	5	\$1,100	
Gypsum Board	45%			LIFE	* *	5	\$12,900	
Plaster	50%	Now	\$14,900	LIFE	* *	5	\$7,200	
	Horizonta	l Cracks, E	xtent : Moderate, A	Area Affe	cted : 5%			
	Location	: Classroo	om 3					
	Water Per	netration, E	xtent : Moderate, A	Area Affe	cted : 20%			
	Location	ı : Mezzani	ne, 2nd Floor Clas.	sroom 2	And 4			

Electrical	Current Repair	Future Repl	acement	Maintenance			
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estim	nated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Service Equipment							
Molded Case Bkrs	100%	2050	* *	5	\$500		
	Other Observation, Extent: Mode	rate, Area Affected : .	100%				
	Location: Basement						
	Explanation : One 600 Amps Ma	iin Disconnect Switch					
Switchgear / Switchboard							
Molded Case Bkrs	100%	2050	* *	5	\$500		
Raceway							
Conduit	70%	2050	* *	1			
Conduit	30%	2024	\$9,300	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 #: 13235

Electrical	Current Repair		Future Replacement			Maintenance	
System Component Type	% of Fail I Total (Yea	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Panelboards							
Fused Disc Sw	5%		2046	* *	5		
Molded Case Bkrs	85%		2046	* *	5	\$400	
Molded Case Bkrs	10%		2032	* *	5		
Wiring							
Braided Cloth	20% 2-4	4 \$5,500	2049	* *	1		
	Insulation Aged,	Extent: Moderate, Are	ea Affecte	ed: 100%			
	Location : Thr	oughout The Building					
Thermoplastic	80%		2050	* *	1		
Motor Controllers							
Locally Mounted	100%		2041	* *	5	\$100	
Ground							
Grounding Devices							
Generic	100%		LIFE	* *	5	\$300	
Lighting							
Interior Lighting							
Fluorescent	95%		2032	* *	10	\$15,000	
		on, Extent : Moderate, A	Area Affe	cted : 100%			
		oughout The Building					
	Explanation:	I-8 Lamps					
Fluorescent	5%		2032	* *	10	\$800	
	-	Fixtures, Extent : Mode	rate, Are	a Affected : 100%			
	Location : Thr	oughout The Building					
Egress Lighting							
Emergency, Battery	50%		2032	* *	10	\$2,100	
Exit, LED	50%		2059	* *	1		
Exterior Lighting							
HID	100%		2032	* *	10	\$100	
Alarm							
Security System							
No Component	30%						
Generic	70%		2032	* *	1	\$4,500	
Fire/Smoke Detection							
Generic	100%		2032	* *	1-3	\$10,600	

Mechanical	Curren	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
Heating							
Energy Source							
Natural Gas	100%		2044	* *	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 #: 13235

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
leating								
Conversion Equipment	1000/	3.7	фооо	20.41	ماد ماد		Φ 7.7 00	
Hot Water Boiler	100%	Now	\$800	2041	**	1	\$7,700	
	-	-	nt : Moderate, Area	ı Affected	d: 2%			
		: Control	•	Affect of	. 1000/			
		ervanon, E : Basemer	Extent : Light, Area	Ајјестеа	: 100%			
Distribution	Ехріапаі	ion : One	Unii					
Hot Wtr Piping/Pump	100%	2-4	\$4,300	2040	* *	4	\$800	
Tiot wa riping/rump			vere, Area Affected			7	φοσο	
		: Through						
Terminal Devices								
Air Handler	30%			2029	* *	1	\$3,200	
Fan Coil Unit/Heat	70%			2029	* *	1	\$3,900	
ir Conditioning							7-7-	
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Interior Pkg Unit -	30%			2025	\$65,800	2	\$300	
Cooling								
	_	gerant, Ex : A C Roo	tent : Light, Area Ą m	ffected :	100%			
Exterior Pkg Unit - Cooling	70%			2029	* *	2	\$700	
	R-22 Refri Location		tent : Light, Area A	ffected :	100%			
Terminal Devices								
Fan Coil - Cooling	10%			2029	* *	1	\$600	
No Component	90%							
Heat Rejection	1.007			2020	* *	2	#1 200	
Air Condenser Unit	10%			2029	* *	2	\$1,200	
No Component	90%							
Tentilation Distribution								
Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$9,600	
Exhaust Fans	100%			LIFE		2-3	\$9,000	
Exnaust Fans Interior	90%			2029	* *	2	\$500	
Roof	10%			2029	* *	2	\$100	
	10/0			2027			Ψ100	
lumhing								
lumbing H/C Water Pining								
H/C Water Piping	100%			2044	* *	1		
	100%			2044	* *	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.

Mechanical	Current Repair	Future Repla	acement	М	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Sanitary Piping						
Cast Iron	100% Now \$3,70		* *	1		
	Other Observation, Extent : Modera	ate, Area Affected : 2	20%			
	Location : Franklin Avenue					
	Explanation : Main Backs Up From Auditorium	m Street, Flooding B	Basement, B	oiler Roo	om And	
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Submersible	100%	2018	\$6,600	4	\$2,500	
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Light, A	Area Affected : 100%	ó			
	Location: Makes 6 Stops For 3 Le	evels - B, 1, 2				
	Explanation: One Unit					
Fire Suppression						
Chemical System						
No Component	80%					
Generic	20%	2019	\$5,200	1-3	\$10,100	
	Other Observation, Extent : Light, A	Area Affected : 100%	ó			
	Location: Throughout					
	Explanation: Fire Extinguishers					

Page: 18

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BOROUGH PARK BRANCH LIBRARY

Address : 1265 43RD ST. @13TH AVENUE

Borough : BROOKLYN Agency's Number : 25

Area Sq Ft : 19,594 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 5598 Lot : 48 BIN : 3135907

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$154,600	\$80,300
Interior Architecture		\$164,200
Electrical	\$38,900	\$322,100
Mechanical	\$96,700	
Total	\$290,200	\$566,600
Importance Code A	\$154,600	\$80,300
Importance Code B	\$135,600	\$486,300
Total	\$290,200	\$566,600

Total	\$80,900	\$51,400	\$10.100	\$10,600
Importance Code C	\$9,500			
Importance Code B	\$22,900	\$50,400	\$9,200	\$9,600
Importance Code A	\$48,500	\$1,000	\$1,000	\$1,000
Total	\$80,900	\$51,400	\$10,100	\$10,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$2,000	\$27,200	\$3,800	\$2,000
Electrical	\$9,200	\$20,200	\$1,800	\$2,200
Interior Architecture	\$18,200		\$500	\$2,400
Exterior Architecture	\$47,600			
EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021



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

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

Architecture		Current 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
exterior								
Exterior Walls			*			_		
Masonry: Brick	Location Jnt Mortai	: South Fa Miss/Erod	l, Extent : Moderat			5	\$25,900	
	Rusting M	: Through asonry Sup : North Fo	t, Extent : Modera	te, Area	Affected : 25%			
		racks, Exte : South Fa	nt : Moderate, Are cade	a Affecte	ed : 10%			
Masonry: Granite	3%			LIFE	* *	5	\$600	
Masonry: Limestone	3%			LIFE	* *	5	\$600	
Stucco Cement	2%			2037	* *	5	\$1,400	
Windows								
Aluminum		Now etration, E : North Si	\$14,900 xtent : Moderate, A de	2040 Area Affe	* * cted : 20%	5	\$1,800	
Steel	5%			2032	* *	5	\$2,400	
Parapets								
Masonry: Brick		Now Miss/Erod : South Fa	\$32,700 l, Extent : Moderat ccade	LIFE e, Area	* * Affected : 25%	5	\$2,900	
	Spalling, E	Extent : Mo	derate, Area Affect	ed : 20%	ó			
	Location	: Interior	Face					
	Water Pen	etration, E	xtent : Moderate, A	Area Affe	cted : 10%			
	Location	: Above Se	econd Floor Windo	ws				
Masonry: Limestone	5%			LIFE	* *	5	\$200	
Roof								
Built-Up (BUR)	95%			2024	\$80,300	10	\$17,700	
Skylight, Metal/Glass	5%			2044	* *	10	\$3,100	
nterior								
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$3,000	
Ceramic Tile	5%			2033	* *	5	\$1,400	
Terrazzo	5%			LIFE	* *	5	\$1,100	
Vinyl Tile	70%			2024	\$164,200	3	\$9,700	
Vinyl Tile	15%			2029	* *	3	\$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.

Asset #: 13236

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								
Ceramic Tile	5%			2033	* *	5	\$2,100	
Concrete Masonry Unit	5%			LIFE	* *	5	\$800	
Gypsum Board	55%			LIFE	* *	5	\$14,000	
Masonry: Brick	5%			LIFE	* *			
Plaster	25%	Now	\$8,400	LIFE	* *	5	\$3,200	
	Cracking/	Crumbling,	Extent: Moderate	, Area Aj	ffected : 10%			
	Location	: Staff Sta	ir					
	Water Pen	etration, E	xtent : Severe, Area	a Affecte	d : 25%			
	Location	: Staff Sta	ir					
Wood	5%			LIFE	* *	5	\$8,500	
Ceilings								
AcousTileSusp.Lay-In	10%			2037	* *	5	\$2,800	
Exposed Concrete	10%			LIFE	* *	5	\$400	
Gypsum Board	65%			LIFE	* *	5	\$23,100	
Plaster	15%	Now	\$5,600	LIFE	* *	5	\$2,700	
	Cracking/	Crumbling,	Extent: Moderate	, Area Aj	ffected : 10%			
	Location	: Staff Sta	ir					
	Water Pen	etration, E	xtent : Moderate, A	rea Affe	cted : 10%			
	Location	: Staff Sta	ir					

Electrical		Current R	lepair	Futur	e Replacement	М	aintenance	
ystem Component Type		Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$1,500	5	\$100	
	Other Obse	rvation, E.	xtent : Moderate, A	Area Affe	ected : 100%			
	Location :	Electrica	l Room					
	Explanation	on : Main	Service Switch Rai	ted @ 40	00 Amperes			
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$32,000	5	\$500	
Raceway								
Conduit	20%			2024	\$6,200	1		
Conduit	80%			2034	* *	1		
Panelboards								
Fused Disc Sw	5%			2032	* *	5		
Molded Case Bkrs	50%			2032	* *	5	\$300	
Molded Case Bkrs	45%			2023	\$6,700	5	\$200	
Wiring								
Braided Cloth	25%	2-4	\$6,900	2049	* *	1		
	Insulation A	Aged, Exte	nt : Moderate, Are	a Affecte	ed : 100%			
	Location :	Mechani	cal Room					
Thermoplastic	75%			2034	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	* *	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.

Asset #: 13236

Electrical	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		
Ground								
Grounding Devices								
Generic	100%	LIFE	* *	5	\$300			
Lighting								
Interior Lighting	2007	•	***	4.0	** -0 -			
Fluorescent	20%	2019	\$38,900	10	\$3,600			
	T-12 Lamps And Fixture. Location: Basement	s, Extent : Moderate, A	rea Affected : 100%	ó				
Fluorescent	75%	2029	* *	10	\$13,500			
	T-8 Lamps And Fixtures, Location : Throughout		ea Affected : 100%					
Fluorescent	5%	2029	* *	10	\$900			
	Other Observation, Exten	nt : Moderate, Area Aff	ected : 100%					
	Location: Stairway							
	Explanation: Compact	Fluorescent Light Fixt	tures					
Egress Lighting								
Emergency, Battery	50%	2024	\$13,100	10	\$2,400			
Exit, Service	50%	2024	\$1,400	1				
Exterior Lighting	1000/	2021	4-2-2	10	4.000			
Fluorescent	100%	2024	\$62,200	10	\$1,800			
	Other Observation, Exter Location : Front Only	nt : Moderate, Area Aff	ected : 100%					
	Explanation : Compact	Fluorescent Light Fixt	tures					
Alarm								
Security System	1000/		4.50 = 2.2		Φ= 600			
Generic	100%	2024	\$58,700	1	\$7,300			
		Other Observation, Extent: Moderate, Area Affected: 100%						
	Location: Throughout The Building							
F: (G 1 D : :	Explanation : Intrusion	Alarm Only, Motion S	ensors					
Fire/Smoke Detection	1000/	2024	φ 2 01 100	1.2	¢10.400			
Generic	100%	2024	\$201,100	1-3	\$12,400			
	Other Observation, Exten		естеа : 100%					
	Location : Throughout The Building Explanation : Strobe Lights, Manual Pull Station And Alarm Bells							
	Explanation : Strobe L	ignts, Manual Pull Stat	ion And Alarm Bell	S				

Mechanical	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
leating						
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2029	* *	1	\$9,700	
	Other Observation, Extent : Light, Area	Affected	! : 100%			
	Location: Basement Boiler Room					
	Explanation: 1 Unit					

 $[\]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	Future	Replacement	cement Maintenance		
System Component Type		Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Distribution							
Hot Wtr Piping/Pump	100%		2032	* *	4	\$1,000	
Terminal Devices							
Air Handler		ow \$400 Extent : Severe, Area Affe ster Leaks To Staircase	2019 ected : 5%	\$20,900	1	\$2,200	
Convector/Radiator	80%		2029	* *	1	\$5,100	
Air Conditioning						1-7	
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment Int Pkg Unit - Heating/Cooling	25%		2018	\$96,700	2	\$300	
	R-22 Refrigeran Location : Ba	nt, Extent : Light, Area A sement	ffected : 2	5%			
Exterior Pkg Unit - Cooling	75%		2029	* *	2	\$900	
<i>3</i>	R-22 Refrigeran Location : Roo	nt, Extent : Light, Area A of	ffected : 7	75%			
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$10,900	
Exhaust Fans							
Interior	20%		2019	\$4,300	2	\$100	
Roof	80%		2029	* *	2	\$500	
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Gas Fired	100%		2022	\$4,500	2	\$300	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Fixtures					·		
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100% Other Observat Location : B,	ion, Extent : Light, Area 1, 2	LIFE Affected :	* * 100%			
	Explanation:	1 Unit					

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

 $[\]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: 23

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BRIGHTON BEACH BRANCH LIBRARY

Address : 16 BRIGHTON FIRST ROAD @BRIGHTON BEACH AVE.

Borough : BROOKLYN Agency's Number : 24

Area Sq Ft : 12,166 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Roof, Floors 1

Block : 8680 Lot : 32 BIN : 3245028

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Interior Architecture	\$87,600	\$138,100
Electrical		\$288,700
Mechanical		\$285,600
Total	\$87,600	\$712,400
Importance Code B	\$87,600	\$712,400
Total	\$87,600	\$712,400

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$63,000			
Interior Architecture	\$34,900			\$2,000
Electrical	\$1,000	\$2,400	\$800	\$1,000
Mechanical	\$10,300	\$1,300	\$2,500	\$1,300
Total	\$109,200	\$3,700	\$3,300	\$4,400
Importance Code A	\$63,600	\$600	\$600	\$600
Importance Code B	\$45,700	\$3,100	\$2,700	\$3,800
Importance Code C				
Total	\$109,200	\$3,700	\$3,300	\$4,400



 $[\]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.

Architecture	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
Exterior								
Exterior Walls								
Concrete Masonry Unit	95%			LIFE	**	5	\$12,800	
		-	tent : Moderate, Ar	ea Affeci	ted: 100%			
GI DI I		ı : Through	оит	T TEE	ste ste		Φ700	
Glass Block	5%			LIFE	* *	5	\$700	
Windows	1000/	N	¢15 200	2040	* *	5	0000	
Aluminum	100% Water Per	Now	\$15,200 Extent : Moderate, A	2040 Area Affe		3	\$900	
			righton Beach Ave	116411116	ciea . 5070			
Parapets	200000		-0					
Cast Stone/Terra Cotta	10%	Now	\$14,300	LIFE	* *	5	\$2,900	
		n Growth, I	Extent : Moderate, 1		ected : 20%		+-, ,,	
	Location	ı : Through	out					
	Other Obs	servation, E	Extent : Moderate, A	Area Affe	cted : 30%			
	Location	ı : Through	out					
	Explana	tion : Missi	ing Flashing					
Concrete Masonry Unit	90%			LIFE	* *	5	\$3,900	
Roof								
Single Ply Membrane	98%	Now	\$33,400	2029	**			
			Extent : Moderate, A	Area Affe	cted : 20%			
		ı : Through	out 	2011	de de	10	#2.200	
Skylight, Metal/Glass	2%			2044	* *	10	\$2,300	
Interior								
Floors Cast in Place Concrete	5%			LIFE	* *	5	\$2,000	
Quarry Tile	5% 5%			2037	* *	5	\$1,400	
Vinyl Tile	90%	0-2	\$27,600	2024	\$138,100	3	\$6,100	
villy1 The	, , , ,		tent : Moderate, A			3	ψ0,100	
		ı : Through		33				
	Loose/Dei	lam Surface	e, Extent : Moderat	e, Area A	Affected : 50%			
	Location	ı : Through	out					
Interior Walls								
Concrete Masonry Unit	10%			LIFE	* *	5	\$600	
Glass: Single Pane	5%			LIFE	* *	5	\$500	
Glazed Ceramic Panel	5%			LIFE	* *			
Gypsum Board	80%			LIFE	* *	5	\$6,600	

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.

Asset #: 13237

Architecture	Current R	lepair	Future	e Replacement	Ma	aintenance				
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Interior										
Ceilings										
AcousTileSusp.Lay-In	60% Now	\$87,600	2044	* *	5	\$5,500				
	=	roken/Missing Elements, Extent : Severe, Area Affected : 20% Location : Throughout								
	0	Cracking/Crumbling, Extent : Moderate, Area Affected : 15% Location : Throughout								
	Water Penetration, Ex Location: Througho		rea Affec	cted : 40%						
Gypsum Board	40% Now	\$7,300	LIFE	* *	5	\$9,100				
• •	Water Penetration, Ex	ctent : Light, Area	Affected .	: 20%						
	Location: Throughout	out								

Electrical	Curre	nt Repair	Futur	e Replacement	М	aintenance			
System Component Type	% of Fail Da Total (Year	ate Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%		2034	* *	5	\$100			
		n, Extent : Moderate, A	Area Affe	ected : 100%					
	Location : Elect								
	Explanation : O	ne 400 Amps Main Dis	sconnect	Switch					
Switchgear / Switchboard									
Fused Disc Sw	100%		2034	* *	5	\$100			
Raceway									
Conduit	100%		2034	* *	1				
Panelboards									
Fused Disc Sw	5%		2032	* *	5				
Molded Case Bkrs	95%		2032	* *	5	\$300			
Wiring									
Thermoplastic	100%		2034	* *	1				
Motor Controllers									
Locally Mounted	100%		2029	* *	5	\$100			
Ground									
Grounding Devices									
Not Accessible	100%								
Lighting									
Interior Lighting									
Fluorescent	98%		2024	\$118,300	10	\$10,900			
		Other Observation, Extent : Moderate, Area Affected : 100%							
		ughout The Building							
	Explanation: T-	-12 Lamps							
Incandescent	2%		2024	\$2,400	2				
Egress Lighting									
Emergency, Battery	50%		2029	* *	10	\$1,500			
Exit, Service	50%		2029	* *	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 #: 13237

Electrical		Current Repair	Futur	e Replacement	M	aintenance	
System Component Type		Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting							
Exterior Lighting							
HID	100%		2024	\$45,500	10		
Alarm							
Security System							
No Component	70%						
Generic	30%		2032	* *	1	\$1,400	
Fire/Smoke Detection							
Generic	100%		2024	\$124,900	1-3	\$7,700	

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								
Natural Gas	100%			2044	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2029	* *	1	\$6,000	
			Extent : Light, Area		: 100%			
	Location	: Penthou	se Mechanical Roo	m				
	Explanat	ion : (3) G	as Fired Modular I	Hot Wate	er Boilers			
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$6,100	2032	* *	4	\$600	
	Corroded,	Extent : M	loderate, Area Affe	cted : 10	%			
	Location	: Penthou	se Mechanical Roo	m				
Terminal Devices								
Air Handler	70%			2024	\$45,500	1	\$5,300	
Convector/Radiator	25%	0-2	\$2,800	2029	* *	1	\$900	
	Malfunctio	ning, Exte	nt : Severe, Area A	ffected :	100%			
			out, Defective Hot	Water Ro	adiator And Air Ha	ındler Te	mperature	
	Control S	System						
Unit Heater-Stm/HW	5%			2024	\$3,900	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Int Pkg Unit -	100%			2022	\$240,100	2	\$700	
Heating/Cooling								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,800	
Exhaust Fans								
Interior	90%			2024	\$12,000	2	\$300	
Roof	10%			2024	\$1,000	2		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	* *	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.

Mechanical	Current Repa	air Future	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Water Heater						
Gas Fired	100%	2023	\$2,800	2	\$200	
	Recent Installation, Exter	t : Light, Area Affected	: 100%			
	Location : Penthouse M	lechanical Room				
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Backflow Preventer						
Generic	100%	2024	\$1,200	1	\$700	
Fixtures						
Generic	100%					

Page: 28

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BROOKLYN CENTRAL LIBRARY

Address : 1 GRAND ARMY PLAZA @ FLATBUSH AVE. & EASTERN PKWY.

Borough : BROOKLYN Agency's Number : N/A

Area Sq Ft : 350,000 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 03-May-2016 Landmark Status : EXTERIOR LANDMARK

Areas Surveyed : Basement, Roof, Floors 1,3,5,4S

Block : 1183 Lot : 2 BIN : 3029665

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$5,999,500	\$800,200
Interior Architecture	\$2,582,400	\$1,037,900
Electrical	\$73,400	\$5,316,200
Mechanical	\$86,700	\$3,877,900
Total	\$8,742,000	\$11,032,200
Importance Code A	\$5,999,500	\$800,200
Importance Code B	\$1,915,600	\$9,751,700
Importance Code C	\$826,900	\$480,200
Total	\$8,742,000	\$11,032,200

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$30,600			
Interior Architecture	\$53,600		\$109,500	\$29,200
Electrical	\$34,700	\$5,300	\$4,700	\$6,400
Mechanical	\$162,300	\$110,100	\$192,300	\$125,700
Elevators/Escalators	\$41,300	\$41,300	\$41,300	\$41,300
Total	\$322,500	\$156,600	\$347,800	\$202,600
Importance Code A	\$69,800	\$34,700	\$34,700	\$34,700
Importance Code B	\$199,000	\$122,000	\$313,200	\$168,000
Importance Code C	\$53,600			
Total	\$322,500	\$156,600	\$347,800	\$202,600



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

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

Asset #: 2136

Architecture		Current Repair		Future Replacement		M		
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls	201				ato at		444 5 00	
Bronze/Brass	2%			LIFE	* *	10	\$117,500	
Masonry: Brick	5%		#244 000	LIFE	* *	5	\$37,600	
Masonry: Granite	5%		\$241,000	LIFE	**	5	\$14,100	
		Crumbung, 1 : Through	Extent : Light, Are	еа Ађест	ea : 10%			
		_	oui d, Extent : Light, A	naa Affaa	stad : 100/			
		1 : Through	_	геи Ајјес	tea . 1070			
Manager				LIEE	* >	: 5	¢174.000	
Masonry: Limestone	62%		\$2,760,200 d, Extent : Light, A	LIFE		5	\$174,900	
		1 Miss/Eroc 1 : Through	_	геи Ајјес	леа . 10%			
M . ID . I			Оиі	20.47	* >		ф1 2 0.200	
Metal Panel	5%		#02.500	2047	* *	5-10	\$129,300	
Metal Coiling Doors	2%		\$92,500	2032		5	\$11,800	
		issing Eien 1 : Through	nents, Extent : Ligh	ı, Area A	gjeciea . 10%			
D G . G				LIDE	* >		Ф122 200	
Pre-Cast Concrete	10%		\$134,700	LIFE		5	\$122,200	
			Extent : Moderate,	Area AJ	тестеа : 25%			
		ı : Through		. 1 1	ffactad . 200/			
	_	าระบางการ เ : Through	, Extent : Moderate	e, Area A	јјестей . 20%			
Stores Coment	9%			2040	* *	· 5	¢42.200	
Stucco Cement			\$106,200 Extent : Light, Area			3	\$42,300	
			nead Doors Facing					
			oded Steel Lintels	1 arming	117.00			
Windows	2. q turtu		acci Sicci Ziiicis					
Aluminum	15%			2043	* >	· 5	\$5,100	
Bronze/Brass	60%		\$1,555,200	2035	* >		\$64,200	
	Air Infiltre	ation, Exter	nt : Moderate, Area	ı Affected	d : 20%			
	Location	ı : Through	out					
	Ctrwt/Bal	nc Not Fun	ct, Extent : Moderd	ate, Area	Affected: 20%			
		ı : Through						
			Extent : Moderate, 1	Area Affe	ected : 20%			
	Location	ı : Through	out					
Glass Block	10%	Now	\$55,600	LIFE	* >	' 5	\$2,100	
	Jnt Morta	r Miss/Ero	d, Extent : Modera	te, Area 1	Affected : 50%			
	Location	ı : South Fa	icade Facing Secor	ıd Floor .	Roof			
			Extent : Severe, Are					
			icade Facing Secor		Roof			
	Explana	tion : Corre	oded Steel Support					
Steel	15%		\$290,900	2052	* *	5	\$32,100	
			Extent : Moderate, A		cted : 15%			
			ections Of South F					
			Extent : Moderate,		fected : 50%			
			ections Of South F					
	=		, Extent : Moderate	-	ffected : 50%			
	Location	ı : Stairs, S	ections Of South F	acades				

Maintenance \$ are aggregated over a 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 #: 2136

Architecture	Current Re	epair	Future	Replacement	Maintenance		
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Parapets							
Masonry: Brick	25% Now Cracking/Crumbling, 1 Location: Throughor Jnt Mortar Miss/Erod, Location: Throughor	ut Extent : Light, A			5	\$8,200	
Masonry: Limestone	65% Now Cracking/Crumbling, I Location: Throughor Jnt Mortar Miss/Erod, Location: Throughor	\$242,700 Extent : Light, Ard ut Extent : Light, A			5	\$26,900	
St Comment			2040	* *		¢4.200	
Stucco Cement	10% Now Cracking/Crumbling, I Location: Throughou	_	2040 ea Affecte		5	\$4,200	
Roof							
Asphalt Macadam	15% Recent Replace Eviden Location : Througho	_	2037 Area Affe	* * cted : 100%	5	\$36,600	
Modified Bitumen	73% Recent Replace Eviden Location: Throughout	_	2037 Area Affe	* * cted : 100%	10	\$267,300	
Plaza Roof: Stone Pane	ls 10%		2047	* *			
Skylight, Metal/Glass	2% Now Corrosion/Rusting, Ext Location: At Third F Glazing Broken/Crack Location: At Third F	Floor Roof Over A ed, Extent : Mode	Art And M erate, Area	usic Areas a Affected : 10%			
Interior							
Floors							
Carpet	15%		2026	\$1,469,600	3	\$159,400	
Cast in Place Concrete Ceramic Tile	7% 10% Now Cracking/Crumbling, 1 Location: Throughou		LIFE 2036 ea Affecte	* * * * d : 10%	5 5	\$217,000 \$35,400	
Terrazzo	5%		LIFE	* *	5	\$55,400	
Terrazzo	2%		LIFE	* *	5	\$22,100	
Vinyl Tile	33% Now Adhesion Failure, Exte		2032 rea Affect		3	\$87,700	
	Location: Language Cracking/Crumbling, I Location: Language Loose Units, Extent: N Location: Language	Extent : Moderate Literature, Socia Ioderate, Area A	e, Area Afj el Science, ffected : 2	fected : 25% Book Storage Ard 0%	eas		
Vinyl Tile	28%		2032	**	3	\$74,400	
· myr rnc	2070		2032		J	Ψ/Τ,ΤΟΟ	

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

Asset #: 2136

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
nterior								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *	10	\$185,000	
Concrete Masonry Unit	5%			LIFE	* *	5	\$29,600	
Glass: Single Pane	5%			LIFE	* *	5	\$55,500	
Gypsum Board	20%			LIFE	* *	5-10	\$251,600	
Masonry: Brick	5%			LIFE	* *	10	\$11,100	
Marble Panels	2%	Now	\$127,800	LIFE	* *			
	Broken/Missing Elements, Extent: Moderate, Area Affected: 10%							
	Location	ı : At Audite	orium Exit					
	Cracking/	Crumbling,	Extent: Moderate	e, Area Aj	ffected : 10%			
	Location	: At Audite	orium Exit					
Plaster	43%	Now	\$55,300	LIFE	* *	5	\$95,500	
	Cracking/	Crumbling,	Extent: Moderate	e, Area Aj	ffected : 5%			
	Location	: Balcony	Corridor Facing I	obby				
Wood	10%			LIFE	* *	5	\$592,000	
	Recent Re	place Evide	ent, Extent : Light,	Area Affe	ected : 10%		. ,	
	Location	ı : New Auc	litorium					
Ceilings								
AcousTileConcealSpLn	15%			2040	* *	5	\$118,400	
AcousTileConcealSpLn	20%	0-2	\$55,300	2032	* *	5	\$78,900	
•	Cracking/Crumbling, Extent: Light, Area Affected: 10%							
	Location	: Through	out					
AcousTileSusp.Lay-In	10%			2040	* *	5	\$63,200	
Exposed Concrete	10%			LIFE	* *	5-10	\$78,900	
Gypsum Board	15%			LIFE	* *	5-10	\$325,600	
Plaster	30%			LIFE	* *	5-10	\$325,600	

Electrical	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				
Under 600 Volts									
Service Equipment									
Molded Case Bkrs	50%	2053 **	5	\$4,600					
	Other Observation, Extent : Moderate, .	Area Affected : 100%							
	Location : Electrical Room								
	Explanation: 4000 Amps Main Disco.	nnect Switch							
Molded Case Bkrs	50%	2053 **	5	\$4,600					
	Other Observation, Extent : Moderate, .	Area Affected : 100%							
	Location : Electrical Room								
	Explanation: 4000 Amps Main Disco	nnect Switch							
Transformers									
Dry Type	100%	2044 **	5	\$1,300					
- J.	Other Observation, Extent : Moderate,	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location : Electrical Room								
	Explanation: Two 500 Kva 208/120 F	Pri - 480 Sec							

Maintenance \$ are aggregated over a 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 #: 2136

Electrical	Current Repair Future Replacement		Maintenance					
System Component	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Туре	10441	(10015)		- 1		(115)		
Jnder 600 Volts								
Switchgear / Switchboard						_		
Molded Case Bkrs	50%			2053	* *	5	\$4,600	
Molded Case Bkrs	50%			2053	* *	5	\$4,600	
Raceway					4407.			
Conduit	80%			2027	\$195,200	1		
Conduit	20%			2053	* *	1		
Panelboards	100/			2026	014 600	-	Φ000	
Fused Disc Sw	10%			2026	\$14,600	5	\$800	
Molded Case Bkrs	60%			2026	\$87,400	5	\$5,500	
Molded Case Bkrs	30%			2049	* *	5	\$2,800	
Wiring	200/	2.4	Φ72.400	2052	* *	1		
Braided Cloth	30%	2-4	\$73,400	2052		1		
		: Agea, Exic 1: Through	ent : Moderate, Are out	а Ајјесте	a : 100%			
Thermoplastic	50%			2027	\$122,300	1		
Thermoplastic	20%			2053	* *	1		
Motor Controllers								
Locally Mounted	70%			2025	\$458,300	5	\$1,700	
Variable Frequency	30%			2044	* *			
Drive								
Ground								
Grounding Devices Generic	100%			LIFE	* *	5	¢10.200	
Generic		amation I	Extent : Moderate, A			5	\$10,300	
		ı : Basemer		пеи лује	ciea . 10070			
		tion : Wate						
ighting	Ехрини	iion . maic	7 1710011					
Interior Lighting								
Fluorescent	65%			2027	\$2,467,700	10	\$208,700	
	Other Obs	servation, E	Extent : Moderate, A	Area Affe	cted : 100%			
	Location	ı : Through	out The Building					
	Explana	tion : Using	g T-8 Lamps					
Fluorescent	20%			2035	* *	10	\$64,200	
	Other Obs	servation, E	Extent : Moderate, A	Area Affe	cted : 100%			
	Location	i : Through	out					
	Explana	tion : T-8 L	amps					
Fluorescent	5%			2035	* *	10	\$16,100	
	T-5 Lamp	s And Fixtu	res, Extent : Moder	rate, Are	a Affected : 100%			
	Location	ı : Through	out The Building					
Fluorescent	5%			2022	\$189,800	10	\$16,100	
		servation, E	Extent : Moderate, A			- 0	+10,100	
			out The Building	33 -				
			g T-12 Lamps					
LED	5%			2035	* *			

 $[\]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 # : 2136							
Electrical		Current Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting							
Egress Lighting							
Emergency, Service	40%		2022	\$74,600	1		
Emergency, Battery	10%		2035	* *	10	\$8,400	
Exit, LED	10%		2062	* *	1		
Exit, Service	40%		2022	\$21,700	1		
Exterior Lighting							
HID	100%		2022	\$1,432,000	10	\$1,100	
Alarm							
Security System							
No Component	90%						
Generic	10%		2035	* *	1	\$13,100	
Fire/Smoke Detection							
No Component	90%						
Generic, Digital	10%		2032	* *	1-3	\$21,600	
Mechanical		Current Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Interruptible Gas/Dual Fuel	100%		2047	* *	1		
	Other Obs	servation, Extent : Light, Area	Affected	l : 100%			
	Location	ı : Basement					
	Explana	tion : One Tank Of 15,000 Ga	llons				

Туре	Total (Years)	r i		(11s)		
Heating						
Energy Source						
Interruptible Gas/Dual Fuel	100%	2047	* *	1		
	Other Observation, Extent : Light, Are	a Affected : 1	100%			
	Location: Basement					
	Explanation: One Tank Of 15,000 G	allons				
Conversion Equipment						
Steam Boiler	100%	2040	* *	1	\$346,600	
	Other Observation, Extent : Light, Are	a Affected : 1	100%			
	Location: Basement					
	Explanation: 3 Boilers					
Distribution						
Steam Piping/Pump	100%	2037	* *	4	\$17,300	
Terminal Devices						
Air Handler	60%	2022	\$1,226,600	1	\$129,900	
Convector/Radiator	40%	2032	* *	1	\$45,200	
Air Conditioning						
Energy Source						
Electricity	30%	2035	* *	1		
Steam/HW System	70%	2037	* *	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 #: 2136

Mechanical	Current Repair			Futur	e Replacement	Maintenance		
System Component Type	% of Total	Fail Date 1 (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning Conversion Equipment Reciprocating Compr/Chiller	85%			2035	* *	1	\$138,000	
		frigerant, Ex : Chillers P	xtent : Light, Arec enthouse	ı Affected	d : 100%			
Exterior Pkg Unit - Cooling	15%			2027	\$262,500	2	\$3,200	
	Location	ervation, Ex : Various L tion : Split Sy		Affected	: 15%			
Distribution Chilled Wtr Pipe/Pump	100%			2037	* *	4	\$17,300	
Terminal Devices Air Handler/Cool/Ht	100%			2027	\$1,610,500	1	\$216,400	
Heat Rejection Air Condenser Unit Water Cooling Tower			\$18,500 Severe, Area Affe the Cooling Tower		\$113,600 **	2 2	\$36,600 \$239,500	
Ventilation Distribution								
Ductwork/Diffusers Exhaust Fans	100%			LIFE	* *	2-5	\$309,000	
Interior	-		\$19,900 t : Moderate, Are	2022 a Affecte	\$398,200 ed:5%	2	\$8,100	
Roof	5%			2027	\$15,100	2	\$500	
Plumbing H/C Water Piping Galv Iron/Steel	100%			2032	* *	1		
Water Heater Gas Fired	100%			2025	\$88,200	2	\$5,100	
Sanitary Piping Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
Sump Pump(s) Rigid Piping	100%			2027	\$12,000	4	\$2,500	
Sewage Ejector(s) Compressed Air	100%			2027	\$30,900	4	\$2,500	
Fixtures Generic	100%							

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.

Mechanical	Current Repair	Future Replaceme	ent M	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estimated (FY	Cost Cycle (Yrs)	Estimated Cost Prior	rity
Vertical Transport					
Elevators					
Geared Traction	100%	LIFE	* *		
	Other Observation, Extent : Light, A	Area Affected : 100%			
	Location: Various Locations				
	Explanation: Seven Units				
Escalators					
Under 20' Rise	100%	LIFE	* *		
	Other Observation, Extent : Light, A	Area Affected : 100%			
	Location: 1-2				
	Explanation: Two Units				
Fire Suppression					
Standpipe					
Generic	100%	2047	* * 1-5	\$176,500	
Sprinkler		_		_	
No Component	60%				
Generic	40%	2047	* * 1-2	\$39,200	

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BROOKLYN HEIGHTS / BUSINESS & CAREER LIBRARY

Address : 280 CADMAN PLAZA WEST @ TILLERY ST.

Borough : BROOKLYN Agency's Number : 50

Area Sq Ft : 52,545 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 23-Jul-2014 Landmark Status : NONE

Areas Surveyed : Basement, Sub Basement, Roof, Floors 1,2

Block : 239 Lot : 16 BIN : 3001939

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$278,200	
Interior Architecture	\$132,400	\$416,600
Electrical	\$405,200	\$44,900
Mechanical		\$1,690,400
Total	\$815,800	\$2,151,900
Importance Code A	\$278,200	\$117,100
Importance Code B	\$537,600	\$2,034,800
Total	\$815,800	\$2,151,900

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$67,400		\$2,300	
Interior Architecture	\$71,900	\$1,300		\$5,600
Electrical	\$16,700	\$1,900	\$18,500	\$1,500
Mechanical	\$10,100	\$22,500	\$14,200	\$24,100
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
Total	\$174,000	\$33,600	\$42,900	\$39,100
Importance Code A	\$70,000	\$2,600	\$5,000	\$2,600
Importance Code B	\$68,500	\$29,700	\$37,900	\$36,500
Importance Code C	\$35,500	\$1,300		
Total	\$174.000	\$33,600	\$42,900	\$39,100



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

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

Asset #: 2137

rchitecture	Current	Repair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior							
Exterior Walls							
Masonry: Brick	5% Now Corrosion/Rusting, I Location: Lintels A Spalling, Extent: Mo Location: Rooftop	At Rear Egress Pas. oderate, Area Affec	sage		5	\$2,100	
Masonry: Limestone	62% Now Loose Units, Extent. Location: Upper N Staining/Discoloring Location: North A Vegetation Growth,	Vortheast Corner O s, Extent : Moderate nd Rear Facades Extent : Moderate,	f Main F e, Area Ą	acade And Above I ffected : 25%	5 Main Ent	\$19,300 rance	
	Location : North A	na Rear Facaaes					
Granite Panels	30%		LIFE	* *	5	\$9,300	
Window Wall	3%		2045	* *	5	\$4,700	
Windows Aluminum	100% Now Hardware Missing, I Location: Through Water Penetration, I Location: Soffit O	nout Extent : Moderate, A	Area Affe	cted : 5%	5	\$2,200	
Parapets							
Masonry: Brick	45% Recent Repair Evide Location : Brick Co	_	LIFE rea Affe	* * cted : 45%	5	\$3,700	
Masonry: Limestone	30% 0-2 Jnt Mortar Miss/Ero Location: Through Staining/Discoloring Location: Through Vegetation Growth, Location: Through	nout 1, Extent : Moderate 10ut Extent : Moderate,	, Area Ą	ffected : 30%	5	\$3,100	
Metal Rail	8%		2038	* *	5-10	\$12,000	
Granite Panels	17%		LIFE	* *	5	\$1,600	
Roof	-					, ,	
Modified Bitumen	100% 2-4 Alligatoring, Extent Location: At All So Ponding, Extent: Mo Location: At Bulkl Recent Repair Evide Location: All Roof	eams And Corners oderate, Area Affec head Stair And Und nt, Extent : Light, A	ted : 10% er Coolii	6 1g Tower			

Interior

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

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

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

Asset #: 2137

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								
Floors								
Cast in Place Concrete	25%			LIFE	* *	5	\$40,700	
Ceramic Tile	10%			2028	* *	5	\$7,400	
Terrazzo	5%			LIFE	* *	5	\$2,900	
Vinyl Tile	60%		\$37,600	2025	\$375,900	3	\$16,700	
	_	_	Extent : Light, Are		ed : 15%			
	Location	ı : Through	out 1st And 2nd Fl	oors				
Interior Walls								
Ceramic Tile	5%			2034	* *	5	\$2,600	
Concrete Masonry Unit	25%			LIFE	* *	5	\$5,300	
Gypsum Board	50%			LIFE	* *	5	\$15,800	
Mosaic Tile	5%		\$26,800	LIFE	**			
		issing Elem 1 : Main Sta	ents, Extent : Mod iirwell	erate, Ar	ea Affected : 5%			
Wood	15%	4+	\$8,700	LIFE	* *	5	\$31,600	
			Extent : Moderate,	55	fected : 25%			
<u> </u>	Location	ı : Thoroug	hout 1st And 2nd F	loors				
Ceilings								
AcousTileSusp.Lay-In	35%		\$20,900	2030	* *	5	\$13,000	
	_	_	Extent: Moderate	-	ffected : 25%			
			or, Reception, Audi					
			xtent : Moderate, A	00	cted : 25%			
	Location	ı : 2nd Floc	or, Reception, Audi	torium				
Exposed Concrete	40%		\$94,800	LIFE	* *	5	\$4,600	
	_	_	Extent: Moderate	_	-			
	Location: Horizontal Cracks Thru Beam And Slab, Running East - West In Basement,							
	Sub-bas		. M. J A	A CC 4 - 1	. 150/			
		-	: Moderate, Area . out Basement And					
		O						
	_	Eviaeni, Ex 1 : Sub-base	tent : Moderate, Ai	rea Ајјес.	iea : 5%			
							*18.00	
Gypsum Board	15%		\$5,600	LIFE	**	5	\$13,900	
			xtent : Moderate, A out Main Stair And					
Metal Panel	10%	0-2	\$6,200	LIFE	* *	5	\$9,300	
			Light, Area Affecte			-	+- ,- 30	
	Location	ı : 2nd Floc	or Corridor					

Electrical	Current Repair		Futu	re Replacement	M			
System Component Type	% of Fail D Total (Yea		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.

Asset #: 2137

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		
nder 600 Volts									
Service Equipment									
Fused Disc Sw	100%		2025	\$4,800	5	\$200			
		Extent: Moderate, A	Area Affe	ected : 100%					
	Location : Electri								
	Explanation: One	e 1200 Amps Main D	isconnec	et Switch					
Switchgear / Switchboard									
Molded Case Bkrs	100%		2025	\$32,000	5	\$1,400			
Raceway									
Conduit	80%		2025	\$24,800	1				
Conduit	20%		2035	* *	1				
Panelboards									
Fused Disc Sw	10%		2024	\$3,000	5	\$100			
Molded Case Bkrs	60%		2024	\$17,800	5	\$800			
Molded Case Bkrs	30%		2033	* *	5	\$400			
Wiring									
Braided Cloth	20% 2-4	\$5,500	2050	* *	1				
	Insulation Aged, Ex	ctent : Moderate, Are	a Affecte	ed : 100%					
	Location: Basem	ent							
Thermoplastic	60%		2035	* *	1				
Thermoplastic	20%		2035	* *	1				
Motor Controllers	20,0								
Locally Mounted	50%		2030	* *	5	\$200			
Locally Mounted	50%		2023	\$44,900	5	\$200			
round	2070		2023	Ψ11,500		Ψ200			
Grounding Devices									
Generic Generic	100% 0-2	\$9,400	LIFE	* *	5	\$800			
		Extent : Moderate, A Main		ected : 100%	-	7000			
ighting	влушшион. Сог	, oucu							
Interior Lighting									
Fluorescent	67%		2030	* *	10	\$32,300			
1 14 01 0 0 0 1 1 1		Extent : Moderate, A		ected : 100%	10	ΨΕΞ,ΕΘΘ			
	Other Observation, Extent : Moderate, Area Affected : 100% Location : Throughout The Building								
	Explanation : T-1	_							
Fluorescent	30%	- 20ps	2030	* *	10	\$14,500			
Puolescent		xtures, Extent : Mod				\$14,500			
	Location : Throug		егине, Аг	eu Ajjecieu . 100%	,				
T 1		gnoui	2020	Φ1 <i>5</i> (00	2				
Incandescent	3%		2020	\$15,600	2				
Egress Lighting	5 00'		2025	042.400					
Emergency, Service	50%		2025	\$12,100	1				
Exit, Service	50%		2025	\$3,500	1				
Exterior Lighting	400								
HID	100%		2020	\$196,600	10	\$200			

Alarm

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

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

Asset #: 2137

Electrical	Curre	ent Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail D Total (Year	ate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm							
Security System							
No Component	70%						
Generic	30%		2030	* *	1	\$5,900	
Fire/Smoke Detection							
No Component	70%						
Generic, Analog	30%		2020	\$161,800	1-3	\$9,700	

Mechanical	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
Heating								
Energy Source								
Natural Gas	100%			2045	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2023	\$117,100	1	\$26,000	
			Extent : Light, Area	Affected	: 100%			
		: Sub-base						
	Explana	ion : 7 Ga	s Fired Sectional H	ot Water	· Boilers			
Distribution						_		
Hot Wtr Piping/Pump	100%			2033	* *	4	\$2,600	
Terminal Devices								
Air Handler	90%			2025	\$252,700	1	\$29,200	
Convector/Radiator	10%			2030	* *	1	\$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2041	* *	1		
Conversion Equipment								
Reciprocating	90%			2025	\$159,000	1	\$21,900	
Compr/Chiller	40				** * * * * * * * * * * * * * * * * * *	_		
Exterior Pkg Unit -	10%			2025	\$24,000	2	\$300	
Cooling	D 22 D 6			cc 1	1000/			
	_	_	tent : Light, Area A	ffected :	100%			
	Location	: Through	out					
Distribution Cliff IN A No. 10	1000/			2025	* *	4	#2 000	
Chilled Wtr Pipe/Pump	100%			2035	* *	4	\$3,900	
Terminal Devices	1000/			2025	#007 ** ** ** ** ** ** ** *	1	#17.000	
Fan Coil - Cool/Heat	100%			2025	\$985,600	1	\$17,000	
Heat Rejection	4.06			2025	640.46 2	2	40 5 00	
Air Condenser Unit	10%			2025	\$10,400	2	\$3,700	
Water Cooling Tower	90%			2023	\$134,500	2	\$47,600	
Ventilation								
Distribution	1000			TIPE	ala -l-	2.5	#20.20 2	
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$29,300	
Exhaust Fans	1.000/			2025	Φ.4.14.Q.Q.	2	4.600	
Roof Plumbing	100%			2025	\$41,400	2	\$1,600	

Plumbing

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

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

Mechanical	Current Repai	r Futur	e Replacement	Maintenance			
System Component Type	% of Fail Date Esti Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Plumbing							
H/C Water Piping							
Brass/Copper	5%	2045	* *	1			
Galv Iron/Steel	95%	2030	* *	1			
Water Heater	1000/	2025	Φ1 2 100	2	Φ000		
Gas Fired	100%	2025	\$12,100	2	\$800		
	Other Observation, Extent	0	: 100%				
	Location: Sub-basement						
G ' B' '	Explanation : One Unit						
Sanitary Piping	1000/	LIEE	* *	1			
Cast Iron	100%	LIFE		1			
Storm Drain Piping	1000/	LIEE	* *	1			
Cast Iron	100%	LIFE	* *	1			
Sump Pump(s)	1000/	2025	¢11.000	4	¢1.700		
Rigid Piping	100%	2025	\$11,000	4	\$1,600		
Sewage Ejector(s)	1000/	2025	¢11.000	4	Φ1 COO		
Electric	100%	2025	\$11,000	4	\$1,600		
Backflow Preventer	1000/	2025	Φ. σ. ο ο ο		Φ2.200		
Generic	100%	2025	\$5,000	1	\$3,200		
Fixtures	1000/						
Generic	100%						
Vertical Transport							
Elevators	500/	LIEE	* *				
Geared Traction	50%	LIFE					
	Other Observation, Extent						
	Location: Sub-basement	1 nrough Second F 100	,				
	Explanation : One Unit	Y 100	ate ate				
Hydraulic	50%	LIFE	**				
	Other Observation, Extent	•••	cted : 50%				
	Location : First Thru Sec		,				
	Explanation : One Unit -	Not Operating Proper	rly				
Fire Suppression Sprinkler							
No Component	75%						
Generic	25%	2035	* *	1-2	\$3,700		
	Other Observation, Extent	: Light, Area Affected	: 100%				
	Location: Exterior						
	Explanation : No Siames	e Connection Evident					

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BROWNSVILLE BRANCH LIBRARY
Address : 61 GLENMORE AVE. @WATKINS ST.

Borough : BROOKLYN Agency's Number : 27

Area Sq Ft : 10,500 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 15-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,1m

Block : 3489 Lot : 150 BIN : 3080669

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Interior Architecture	\$117,000	
Electrical		\$108,100
Mechanical		\$79,500
Total	\$117,000	\$187,600
Importance Code B	\$117,000	\$187,600
Total	\$117,000	\$187,600

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture		\$2,100	\$1,400	
Interior Architecture	\$1,100			\$1,700
Electrical	\$9,200	\$5,800	\$1,200	\$1,000
Mechanical	\$5,500	\$2,100	\$3,300	\$2,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$19,800	\$14,000	\$9,800	\$8,800
Importance Code A	\$500	\$2,700	\$2,000	\$500
Importance Code B	\$18,600	\$11,300	\$7,900	\$8,300
Importance Code C	\$700			
Total	\$19,800	\$14,000	\$9,800	\$8,800



 $[\]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.

Asset #: 13238

Architecture	Current Repair		Future Replacement			Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Co	ost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls								
Masonry: Brick	85% Recent Repair Evident Location : Througho	, Extent : Light, Are	LIFE a Affec		* *	5	\$21,000	
Masonry: Granite	5%]	LIFE	2	* *	5	\$900	
Masonry: Limestone	10% Recent Repair Evident Location: Cornices]	LIFE		* *	5	\$1,900	
Windows								
Aluminum	100%	,	2040	3	* *	5	\$2,900	
Parapets								
Masonry: Brick	80% Recent Repair Evident Location : Througho	, Extent : Light, Are	LIFE a Affec		* *	5	\$2,300	
Metal Rail	10% Recent Installation, Ex Location: Througho	xtent : Light, Area Aj	2044 ffected		* *	5-10	\$5,200	
Pre-Cast Concrete	10% Recent Replace Eviden Location : Througho	nt, Extent : Light, Ar	LIFE ea Affe		* *	5	\$1,800	
Roof Modified Bitumen	100% Recent Replace Eviden Location : Througho	nt, Extent : Light, Ar	2034 ea Affe		* *	10	\$17,100	
nterior								
Floors								
Cast in Place Concrete	20%]	LIFE	:	* *	5	\$8,100	
Ceramic Tile	5%		2033	:	* *	5	\$900	
Vinyl Tile	75% Now Cracking/Crumbling, Location: Througho Worn/Eroded, Extent Location: Througho	Extent : Moderate, A ut · Moderate, Area Afj		fected : 10%	* *	3	\$5,200	
Interior Walls	Location: Througho							
Ceramic Tile	5%		2033	;	* *	5	\$1,400	
Concrete Masonry Unit	5%		LIFE		**	5	\$500	
Gypsum Board	50%		LIFE		* *	5	\$8,200	
Masonry: Brick	10%		LIFE		 k *	J	\$0,200	
Plaster	30%		LIFE		* *	5	\$2,500	
Ceilings	3070		<u> </u>				Ψ2,500	-
CATHIES								
Gypsum Board	50%	1	LIFE	:	k *	5	\$11,600	

Electrical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost Property (Yrs)	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 #: 13238

Electrical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts								
Service Equipment Molded Case Bkrs	100%			2034	* *	5	\$300	
Wolded Case Bkis		ervation F	Extent : Moderate, A			3	φ300	
		ı : Basemen		1.00.11,50	. 100,0			
	Explana	tion : 2- M	ain Service Discon	nect Rate	ed @ 200 Amperes	Each		
Switchgear / Switchboard								
Molded Case Bkrs	100%			2034	* *	5	\$300	
Raceway	400							
Conduit	100%			2034	* *	1		
Panelboards	5 00/			2022	* *	_	¢100	
Fused Disc Sw Molded Case Bkrs	50% 50%			2032 2032	* *	5 5	\$100 \$100	
Wiring	3070			2032			\$100	
Braided Cloth	30%	2-4	\$8,200	2049	* *	1		
214400 01041			ent : Moderate, Are		ed : 100%	-		
	Location	: Through	out The Building					
Thermoplastic	70%			2034	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	* *	5	\$100	
round								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$200	
ighting								
Interior Lighting Fluorescent	66%			2024	\$68,800	10	\$6,400	
Puorescent	Other Obs Location		extent : Moderate, A out The Building Lamps			10	90,400	
Fluorescent	30%			2029	* *	10	\$2,900	
	Location	ervation, E a : Basemen tion : T-8 L		Area Affe	ected : 100%			
Fluorescent	4%			2029	* *	10	\$400	
	Location	ı : Boiler R		Area Affe				
T	Explana	tion : Comp	pact Fluorescent Li	ght Fixtı	ires			
Egress Lighting	500/			2020	* *	10	¢1 200	
Emergency, Battery Exit, Service	50% 50%			2029 2029	* *	10 1	\$1,300	
Exterior Lighting	30%			2027		1		
HID	100%			2024	\$39,300	10		
larm	10070				+22,230			
Security System Generic			extent : Moderate, A	2032 Area Affe	* * ected : 100%	1	\$3,900	
	Explana	_	out The Building TV Surveillance C	ameras				

Maintenance \$ are aggregated over a 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 #: 13238

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							
Fire/Smoke Detection							
Generic	100%	2032 **	1-3 \$6,500				
	Other Observation, Extent: Moderate, Area Affected: 100%						
	Location: Throughout The Building						
	Explanation : Alarm Bells, Manual P	ull Stations					

Mechanical		Current Repair		Futur	e Replacement	M	aintenance	
System Component Type	% of 1 Total	Fail Date Estima (Years)	ited Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2044	* *	1		
	Other Obse	rvation, Extent : S	evere, Ared	a Affecte	d: 100%			
	Location	: Next To The Boil	er Room, E	Sasement				
	Explanati	on : No Vent For	Gas Meter	Room				
Conversion Equipment	1000/			20.41	ale ale		Φ.5. 200	
Hot Water Boiler	100%	E.d I	: 1.4 A	2041	* *	1	\$5,200	
		rvation, Extent : L : Basement Boiler	-	Ајјестеа	: 100%			
		on : 1 Unit	Room					
Distribution	Влринин	on . 1 Onn						
Hot Wtr Piping/Pump	100%			2040	* *	4	\$500	
Terminal Devices								
Air Handler	40%			2024	\$22,400	1	\$2,600	
Convector/Radiator	60%			2029	* *	1	\$2,000	
Air Conditioning								
Energy Source	1000/			20.40	* *			
Electricity	100%			2040	* *	1		
Conversion Equipment Reciprocating Compr/Chiller	100%	Now	\$3,500	2024	\$35,300	1	\$4,400	
ComplyCinner	Not in Serv	ice, Extent : Sever	e. Area Aff	ected : 10	00%			
		: Facility In Back						
		rvation, Extent : L						
	Location	: 1st And 2nd Floo	r					
	Explanati	on : 4 Portable Ur	iits Being U	Jsed				
Distribution								
Chilled Wtr Pipe/Pump	100%			2034	* *	4	\$800	
Terminal Devices								
Air Handler/Cool/Ht	100%			2024	\$44,200	1	\$6,500	
Heat Rejection	1.000/							
Not Accessible	100%							
Ventilation Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$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.

Mechanical		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
Ventilation								
Exhaust Fans								
Interior	60%			2024	\$6,900	2	\$200	
Roof	40%			2024	\$3,300	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	* *	1		
Water Heater								
Gas Fired	100%			2023	\$2,400	2	\$200	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
	Other Obs	ervation, Ex	tent : Light, Area	Affected	: 100%			
	Location	: B, 1, 2						
	Explanat	ion : One U	nit					

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : BUSHWICK BRANCH LIBRARY
Address : 340 BUSHWICK AVE. @SEIGEL ST.

Borough : BROOKLYN Agency's Number : 29

Area Sq Ft : 10,640 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 04-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 3098 Lot : 19 BIN : 3071470

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$158,100	
Interior Architecture	\$86,500	
Electrical	\$213,700	
Total	\$458,300	
Importance Code A	\$158,100	
Importance Code B	\$300,200	
Total	\$458,300	

Total	\$58,800	\$71,400	\$10,000	\$7.900
Importance Code C	\$1,900			
Importance Code B	\$45,700	\$55,600	\$9,400	\$7,400
Importance Code A	\$11,200	\$15,700	\$500	\$500
Total	\$58,800	\$71,400	\$10,000	\$7,900
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$3,800	\$3,000	\$3,900	\$3,000
Electrical	\$23,000	\$48,800	\$900	\$900
Interior Architecture	\$17,500	\$500	\$1,300	\$200
Exterior Architecture	\$10,600	\$15,100		
EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021



Maintenance \$ are aggregated over a 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 #: 13239

Architecture	Curre	Current Repair Future Replacemen			M		
System Component Type	% of Fail D Total (Yea	ate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls							
Cast Stone/Terra Cotta	10% Nov	1	LIFE	**	5	\$17,700	
	_	ing, Extent : Moderate		tected : 5%			
		mns At Main Entrance Erod, Extent : Modera		ffootod , 150/			
	Location : Mai		ie, Area A	ffeciea : 15%			
Masonry: Brick	90% 0-2	\$121,600	LIFE	* *	5	\$20,300	
•	Efflorescence, Ex	tent : Moderate, Area		30%		,	
	Location: Thro	ughout					
		Moderate, Area Affec	ted : 15%				
	Location : Thro	ughout					
Windows							
Wood	100%		2032	* *	5	\$44,200	
Parapets	100/ 0.0	41.400		de de	_	4.400	
Cast Stone/Terra Cotta	10% 0-2	\$1,400	LIFE	**	5	\$1,400	
	Location: From	ling, Extent : Light, Ar	еа Ајјесте	a : 10%			
Masanur Duiak	10% Nov		LIFE	* *	5	\$200	
Masonry: Brick		ing, Extent : Moderate			3	\$200	
	_	ing, Extent . Moderate ior Face At North And					
		Moderate, Area Affec					
	1 0	ior Face At North And					
	Other Observation	n, Extent : Moderate, .	Area Affe	cted : 100%			
	Location : Inter	ior Face At North And	l South Sid	des			
	Explanation: S	tucco On Brick					
Masonry: Brick	80% Nov	\$8,200	LIFE	* *	5	\$1,400	
-	Jnt Mortar Miss/	Erod, Extent : Modera	te, Area A	ffected : 15%			
		ous Locations On Exte					
		n, Extent : Moderate, 1		eted : 15%			
	Location : Vari	ous Locations Through	nout				
Roof	0.55		2020	ati •	4.0		
Modified Bitumen	95%	Entered Madeus A	2029	**	10	\$14,400	
		, Extent : Moderate, A	rea Affect	ea : 20%			
G: 1 DI M	Location: Thro	иднош	2020	* *	10	фсоо	
Single Ply Membrane	5%		2029	* *	10	\$800	

Interior

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

Asset #: 13239

rchitecture		Current I	Repair	Futu	re Replacement	acement 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	5%		\$300	LIFE	* *	5	\$1,500	
			, Extent : Moderate at Mechanical Roor		Affected : 10%			
Ceramic Tile	5%)		2033	* *	5	\$700	
Sheet Vinyl/Rubber	5%			2029	* *	5	\$1,000	
Vinyl Tile	75%			2029	* *	3	\$3,800	
Vinyl Tile	10%		\$11,400	2034	* *	3	\$500	
	_	_	Extent: Severe, A	rea Affe	cted : 25%			
			ıt, Lunch Room					
	_		ıt, Extent : Modera	te, Area	Affected : 20%			
	Locatio	n : Basemer	ıt, Lunch Room					
Interior Walls								
Ceramic Tile	5%			2033	* *	5	\$900	
Plaster	10%		\$1,400	LIFE	* *	5	\$500	
	_	_	Extent : Moderate	_	-			
			ıt Corridor, Mezzar					
	_	_	Extent : Moderate	e, Area A	ffected : 15%			
		n : Mezzanii						
		netration, E n : Mezzani	xtent : Moderate, A ne Office	Area Affe	ected : 5%			
Plaster	85%)		LIFE	* *	5	\$4,600	
Ceilings								
AcousTileConcealSpLn	80%	4+	\$86,500	2044	* *	5	\$6,700	
-	_	/Crumbling, n : South W	Extent : Moderate all	, Area Ą	ffected : 15%			
	_	Discoloring, n : First Flo	, Extent : Moderate	, Area Ą	ffected : 50%			
			: Moderate, Area A	Affactad	. 50%			
		n : First Flo		Ајјестеи	. 5070			
DI .				1 100	* *		64 500	
Plaster	20%		\$3,500	LIFE		5	\$1,700	
			Extent : Moderate	, Area A	јјестеа : 20%			
		n : Mezzanii Digaelerina		. 1 1	ffeeted , 150/			
	_	_	, Extent : Moderate	e, Area A	ујества : 15%			
	Locatio	n : Mezzani	пе г 1001					

Electrical	Current R	lepair	Futur	e Replacement	M	aintenance	
System Component Type	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.

Asset #: 13239

Electrical Current Repair Future Replacement	Maintenance
System Component Type % of Fail Date Estimated Cost FY Year Estimated Cost FY	
Under 600 Volts	
Service Equipment Fused Disc Sw 50% 2024 \$700 5	
Fused Disc Sw 50% 2024 \$700 5 Other Observation, Extent: Moderate, Area Affected: 100%	
Location : Electrical Room	
Explanation: One 200 Amps Main Disconnect Switch	
Molded Case Bkrs 50% 2024 \$700 5	\$100
Other Observation, Extent : Moderate, Area Affected : 100%	Ψ100
Location : Electrical Room	
Explanation: One 350 Amps Main Disconnect	
Switchgear / Switchboard	
Molded Case Bkrs 100% 2024 \$32,000 5	\$300
Raceway	
Conduit 20% 2044 ** 1	
Conduit 80% 2024 \$24,800 1	
Panelboards	
Fused Disc Sw 5% 2023 \$700 5	
Molded Case Bkrs 75% 2023 \$11,100 5	\$200
Molded Case Bkrs 20% 2040 ** 5	\$100
Wiring	
Braided Cloth 80% 2-4 \$22,000 2049 ** 1	
Insulation Aged, Extent : Moderate, Area Affected : 100%	
Location: Throughout The Building	
Thermoplastic 20% 2044 ** 1	
Motor Controllers	
Locally Mounted 50% 2022 \$15,000 5	
Locally Mounted 50% 2037 ** 5	
Ground	
Grounding Devices Generic 100% LIFE ** 5	\$200
-	\$200
Lighting Interior Lighting	
Fluorescent 99% 2019 \$104,500 10	\$9,700
Other Observation, Extent : Moderate, Area Affected : 100%	Ψ>,700
Location : Throughout The Building	
Explanation: T-12 Lamps	
Incandescent 1% 2019 \$1,100 2	
Egress Lighting	
Emergency, Battery 50% 2024 \$7,100 10	\$1,300
Exit, Service 50% 2024 \$800 1	7 - 72 0 0
Exterior Lighting	
HID 50% 2019 \$19,900 10	
Incandescent 50% 2019 \$16,900 2	
Alarm	
Alarm Security System	
	\$2,800

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

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

Maintenance

BROOKLYN PUBLIC LIBRARY - 038 BUSHWICK BRANCH LIBRARY

Asset #: 13239

Future Replacement

Current Repair

Electrical

System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm	•			-				
Fire/Smoke Detection Generic	100%			2019	\$109,200	1-3	\$6,600	
Mechanical		Current l	Renair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total		Estimated Cost		Estimated Cost		Estimated Cost	Priority
Heating	•							
Energy Source Natural Gas	Location	: Adjacent	Extent : Light, Area t To Boiler Room ontinued Oil Tank .			1		
Conversion Equipment Hot Water Boiler	Location		Extent : Light, Area nt Boiler Room it	2037 Affected	**: 100%	1	\$5,300	
Distribution	•							
Hot Wtr Piping/Pump	100%			2032	* *	4	\$500	
Terminal Devices Air Handler Convector/Radiator	60% 40%			2024 2029	\$34,100	1 1	\$4,000 \$1,400	
Air Conditioning							. ,	
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment Reciprocating Compr/Chiller	70%			2024	\$25,000	1	\$3,500	
Exterior Pkg Unit - Cooling	30%			2024	\$14,600	2	\$200	
Terminal Devices Air Handler/Cool/Ht No Component	70% 30%			2024	\$31,300	1	\$4,600	
Heat Rejection Air Condenser Unit No Component	70% 30%			2029	* *	2	\$5,200	
Ventilation								
Distribution Ductwork/Diffusers		_	\$1,800 Extent : Severe, Ai eaking Into Upper			2-5	\$5,900	
Exhaust Fans								
Interior	75%			2029	* *	2	\$200	
Roof	25%			2024	\$2,100	2	\$100	
Plumbing H/C Water Piping	1000/			2024	* *	1		
Brass/Copper	100%			2034	tantial future inflatio	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.

Mechanical	Cur	rent Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail 1 Total (Ye	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing							
Water Heater							
Gas Fired	100%		2022	\$2,500	2	\$200	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
	Other Observati	ion, Extent : Moderate, A	rea Affe	cted : 10%			
	Location: Bas	sement Boiler Room					
	Explanation:	There Is No Drain In Bo	iler Roo	m			
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Sewage Ejector(s)							
Electric	100%		2024	\$11,000	4	\$1,600	
	Other Observati	ion, Extent : Light, Area	Affected	: 100%			
	Location: Bas	sement Electric Room					
	Explanation:	1 Unit					
Fixtures							
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%		LIFE	* *			
•		ion, Extent : Light, Area	Affected	: 100%			
	Location: B-1	, 2					
	Explanation:	One Unit					

Page: 53

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : CARROLL GARDENS BRANCH LIBRARY

Address : 396 CLINTON ST. @UNION ST.

Borough : BROOKLYN Agency's Number : 31

Area Sq Ft : 14,075 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 25-Feb-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 338 Lot : 33 BIN : 3004336

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$196,500	
Interior Architecture		\$79,400
Electrical	\$171,400	\$57,800
Total	\$367,800	\$137,200
Importance Code A	\$196,500	
Importance Code B	\$171,400	\$137,200
Total	\$367,800	\$137,200

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$43,800			
Interior Architecture	\$49,800			\$1,600
Electrical	\$9,100	\$21,900	\$600	\$700
Mechanical	\$3,000	\$1,600	\$3,500	\$1,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$109,600	\$27,500	\$8,000	\$7,900
Importance Code A	\$44,500	\$900	\$700	\$700
Importance Code B	\$47,900	\$26,600	\$7,300	\$7,200
Importance Code B Importance Code C	\$47,900 \$17,200	\$26,600	\$7,300	\$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.

Asset #: 13241

Architecture	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
xterior								
Exterior Walls								
Masonry: Brick	92%	0-2	\$196,500	LIFE	* *	5	\$32,900	
			l, Extent : Moderat		Affected : 25%			
			Locations Through					
	-	_	ht, Area Affected :					
	Location	: Various	Locations Through					
Masonry: Limestone	5%			LIFE	* *	5	\$1,300	
Masonry: Sandstone	3%	Now	\$24,500	LIFE	* *	5	\$800	
	_	_	Extent: Moderate	, Area Aj	ffected : 25%			
		: Base Thr	_					
	Loose/Delam Surface, Extent : Moderate, Area Affected : 25% Location : Base Throughout							
	Other Obse	ervation, E	xtent : Moderate, A	Area Affe	cted : 100%			
	Location	: Building	Base					
	Explanat	ion : This I	s Actually Bluesto	ne				
Windows								
Aluminum	80%			2032	* *	5	\$3,900	
Steel	20%			2032	* *	5	\$12,000	
Parapets								
Masonry: Brick	70% Spalling, E	Now Extent : Mo	\$19,400 derate, Area Affect	LIFE ed: 30%	* *	5	\$1,700	
	Location	: Exterior	Face					
Masonry: Limestone	30%			LIFE	* *	5	\$900	
Roof								
Modified Bitumen	100%			2032	* *	10	\$12,000	
	Recent Rep	olace Evide	lent, Extent : Light, Area Affected : 100%					
	Location	: Through	out, 2012					
terior								
Floors								
Cast in Place Concrete	2%			LIFE	* *	5	\$600	
Ceramic Tile	3%	0-2	\$800	2027	\$8,400	5	\$200	
		ssing Elem : Bathrooi	ents, Extent : Mod ns	erate, Ar	ea Affected : 20%			
Marble Panels	5%			LIFE	* *	5	\$500	
Vinyl Tile	65%			2024	\$79,400	3	\$4,700	
Vinyl Tile	25%	Now	\$30,500	2034	* *	3	\$1,400	
Š	Broken/Missing Elements, Extent: Moderate, Area Affected: 10% Location: Basement						. ,	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 25% Location : Basement, 1st Floor							
	Loose Unit		Moderate, Area Aj	fected :	15%			
			: Moderate, Area I	Affected	: 25%			
			t, 1st Floor	33 - 33 - 24	• •			

Maintenance \$ are aggregated over a 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 #: 13241

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								
Ceramic Tile	5%			2033	* *	5	\$1,100	
Plaster	95%	0-2	\$16,700	LIFE	* *	5	\$6,300	
	Cracking/	Crumbling,	Extent : Light, Are	ea Affecto	ed : 10%			
	Location	ı : Elevator	Foyer					
Ceilings								
AcousTileConcealSpLn	5%			2037	* *	5	\$900	
Plaster	95%			LIFE	* *	5	\$8,700	
	Recent Re	pair Evider	nt, Extent : Light, A	rea Affe	cted : 75%			
	Location	ı : Through	out, 2012					

Electrical		Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date Estim (Years)	ated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts									
Service Equipment									
Molded Case Bkrs	100%			2024	\$1,500	5	\$400		
	Other Obse	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location	: Electrical Roon	ı						
	Explanati	on : One 500 Am	ps Main Dis	sconnect	Switch				
Switchgear / Switchboard									
Molded Case Bkrs	100%			2024	\$32,000	5	\$400		
Raceway									
Conduit	5%			2044	* *	1			
Conduit	95%			2024	\$29,500	1			
Panelboards									
Fused Disc Sw	5%			2023	\$700	5			
Molded Case Bkrs	95%			2023	\$14,100	5	\$400		
Wiring									
Braided Cloth	30%	2-4	\$8,200	2049	* *	1			
	Insulation 1	Aged, Extent : Mo	oderate, Are	a Affecte	ed : 100%				
	Location	: Throughout The	Building						
Thermoplastic	60%			2024	\$16,500	1			
Thermoplastic	10%			2044	* *	1			
Motor Controllers									
Locally Mounted	100%			2022	\$29,900	5	\$100		
Ground					. , , , , , , , , , , , , , , , , , , ,				
Grounding Devices									
Generic	100%			LIFE	* *	5	\$200		
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 #: 13241

Electrical	Current Repair	Futur	e Replacement	Maintenance		
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	10%	2029	* *	10	\$1,300	
	Other Observation, Extent : Location : Mezzanine Explanation : T-8 Lamps	Moderate, Area Affe	cted : 100%			
Fluorescent	85%	2019	\$118,700	10	\$11,000	
	Other Observation, Extent : Location : Throughout The Explanation : T-12 Lamps		cted : 100%			
Incandescent	5%	2019	\$7,000	2		
Egress Lighting						
Emergency, Battery	50%	2029	* *	10	\$1,700	
Exit, Service	50%	2029	* *	1		
Exterior Lighting						
HID	100%	2019	\$52,700	10		
Alarm						
Security System						
No Component	50%					
Generic	50%	2024	\$21,100	1	\$2,600	
Fire/Smoke Detection						
No Component	60%					
Generic	40%	2024	\$57,800	1-3	\$3,600	

/lechanical	Curre	nt Repair	Futur	e Replacement	M	aintenance			
ystem Component Type	% of Fail Da Total (Year	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
eating									
Energy Source									
Natural Gas	100%		2034	* *	1				
	Other Observation	Other Observation, Extent : Light, Area Affected : 100%							
	Location: Sub-b	asement							
	Explanation: Of	d Oil Tank Abandone	d In Plac	ce					
Conversion Equipment									
Hot Water Boiler	100%		2029	* *	1	\$7,000			
	Other Observation	, Extent : Light, Area	Affected	! : 100%					
	Location : Sub-b	asement							
	Explanation: 1	Gas Fired Hot Water I	Boiler						
Distribution									
Hot Wtr Piping/Pump	100% 0-2	\$1,400	2032	* *	4	\$700			
1 0 1	Malfunctioning, Extent: Moderate, Area Affected: 100%								
	Location : Sub-b	asement, Defective Pı	ımp Mot	or Bearings					
Terminal Devices									
Air Handler	50%		2029	* *	1	\$4,400			
Convector/Radiator	50%		2037	* *	1	\$2,300			

Air Conditioning

Maintenance \$ are aggregated over a 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		e Replacement	Maintenance		
System Component Type	% of Total	Fail Date Estimated (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Ext Pkg Unit -	100%		2029	* *	2	\$900	
Heating/Cooling							
Ventilation							
Distribution	1,000/		LIEE	* *	2.5	¢7.000	
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$7,800	
Exhaust Fans	1,000/		2024	¢21 100	2	¢400	
Wall Unit	100%		2024	\$21,100	2	\$400	
Plumbing H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater	100%		2034		1		
Gas Fired	100%		2022	\$3,200	2	\$200	
Sanitary Piping	10070		2022	\$3,200		\$200	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	10070		EH E		1		
Cast Iron	100%		LIFE	* *	1		
Sump Pump(s)	10070		EH E		-		
Rigid Piping	100%		2032	* *	4	\$1,600	
5 · F 5	Recent Re	place Evident, Extent : L : Sub-basement	ight, Area Affe	ected : 100%		, ,,===	
Backflow Preventer							
Generic	100%		2029	* *	1	\$900	
Fixtures							
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%		LIFE	* *			
	Other Obs Location	ervation, Extent : Light, :: B-1	Area Affected	: 100%			
	Explana	tion : One Unit					

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

Page: 58

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : CONEY ISLAND BRANCH LIBRARY
Address : 1901 MERMAID AVE. W. 19TH STREET

Borough : BROOKLYN Agency's Number : 32

Area Sq Ft : 14,000 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 24-Jun-2015 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1,2

Block : 7019 Lot : 43 BIN : 3189001

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture		\$113,900
Electrical		\$13,900
Total		\$127,700
Importance Code A		\$113,900
Importance Code B		\$13,900
Total		\$127,700

Total	\$29,000	\$10,200	\$12,300	\$17,100
Importance Code C		\$600		
Importance Code B	\$9,700	\$8,900	\$11,600	\$16,400
Importance Code A	\$19,300	\$700	\$700	\$700
Total	\$29,000	\$10,200	\$12,300	\$17,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$2,000	\$1,800	\$7,300	\$1,800
Electrical	\$1,100	\$1,400	\$1,100	\$11,400
Interior Architecture	\$3,400	\$3,100		
Exterior Architecture	\$18,600			
EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021



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

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

BROOKLYN PUBLIC LIBRARY - 038 CONEY ISLAND BRANCH LIBRARY

Asset #: 13243

Architecture	Current Repair Future Re		Replacement	Maintenance			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior	•		•				
Exterior Walls							
Masonry: Brick	80% Now	\$16,300	LIFE	* *	5	\$27,300	
	Vertical Cracks, Exte						
	Location : At Rear	Facade And Stair I	Bulkhead C	n Roof.			
Masonry: Granite	5%		LIFE	* *	5	\$1,300	
Metal/Glass Curt Wall	15%		LIFE	* *	5	\$9,600	
	Thermally Inefficient Location : Through	_	ea Affectea	! : 100%			
Windows							
Aluminum	100%		2042	* *	5	\$1,800	
Parapets	4.50/				_	* * * * =	
Cast Stone/Terra Cotta	15%		LIFE	* *	5	\$4,000	
	Worn/Eroded, Extens		cted : 100%	ó			
	Location : Through	out					
Masonry: Brick	85%		LIFE	* *	5	\$3,000	
	Spalling, Extent: Lig						
	Location : Above P	arapet Wall Base C	Counter Flo	ishing			
Roof	0.50/ 3.1	Φ2 200	2026	ф11 2 000			
Modified Bitumen	95% Now	\$2,300	2026	\$113,900			
	Blisters, Extent: Lig			Maria Da a C			
	Location : Adjacen	і 10 меспапісаі Eq					
Skylight, Metal/Glass	5%		2036	**	10	\$3,500	
	Deteriorated Finish,			: 100%			
-	Location : Stair Bu	lkhead Roof And M	aın Roof				
terior							
Floors Cost in Place Congrets	200/		LIEE	* *	5	¢0.200	
Cast in Place Concrete	20%		LIFE	* *	5	\$9,200	
Ceramic Tile	10%		2039	* *	5	\$2,100	
Terrazzo	15%		LIFE 2034	* *	5 3	\$2,500 \$4,300	
Vinyl Tile	55%		2034		3	\$4,300	
Interior Walls	5 0/		2020	* *	_	¢1 200	
Ceramic Tile	5%		2039	* *	5	\$1,300	
Gypsum Board	50%		LIFE	* *	5	\$7,600	
Masonry: Brick Plaster	15% 30%		LIFE LIFE	* *	5	¢2.200	
Plaster	30% Paint Peeling, Exten	t. Light Angg Affai		4-4-	3	\$2,300	
	Location : Stairwel						
Ceilings	Location : Bian Wei	Rooj Burnicuu					
AcousTileConcealSpLn	30%		2043	* *	5	\$6,700	
Gypsum Board	35%		LIFE	* *	5	\$7,900	
Plaster	25%		LIFE	* *	5	\$2,800	
1 140101	Paint Peeling, Exten	t : Light, Area Affea			J	Ψ2,000	
	Location : Stairwel						
Wood	10%		LIFE	* *	5	\$15,700	
wood	10%		LIFE	-1- T	3	\$13,700	

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

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

BROOKLYN PUBLIC LIBRARY - 038 CONEY ISLAND BRANCH LIBRARY

Asset #: 13243

Electrical	Current Repair	Future F	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Cos Total (Years)	year E FY	Stimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Service Equipment							
Fused Disc Sw	100%	2046	* *	5	\$100		
	Other Observation, Extent : Light, Are	ea Affected : 1	100%				
	Location: Boiler Room						
	Explanation: 600 Amps Service						
Switchgear / Switchboard Fused Disc Sw	1000/	2046	* *	_	¢100		
-	100%	2046		5	\$100		
Raceway Conduit	1000/	2046	* *	1			
	100%	2046		1			
Panelboards Molded Case Bkrs	100%	2042	* *	5	\$400		
	100%	2042		3	\$400		
Wiring Thermoplastic	100%	2046	* *	1			
Motor Controllers	10070	2040		1			
Locally Mounted	100%	2039	* *	5	\$100		
Ground	10070	2037			Ψ100		
Grounding Devices							
Generic	100%	LIFE	* *	5	\$200		
Lighting	10070				42 00		
Interior Lighting							
Fluorescent	80%	2031	* *	10	\$10,300		
	T-8 Lamps And Fixtures, Extent: Light Location: Throughout The Building		ted : 100%		. ,		
Fluorescent	10%	2026	\$13,900	10	\$1,300		
riuoreseent	T-8 Lamps And Fixtures, Extent : Light Location : Basement			10	Ψ1,500		
Incandescent	10%	2026	\$13,900	2			
Egress Lighting							
Emergency, Service	50%	2026	\$3,400	1			
Exit, LED	50%	2054	* *	1			
Alarm							
Security System							
No Component	50%						
Generic	50%	2031	* *	1	\$2,600		
	Other Observation, Extent: Light, Ard Location: First And Second Floor Explanation: Cctv Only	ea Affected : 1	100%				
Fire/Smoke Detection	Expunuion . Cer Only						
Generic, Digital	100%	2031	* *	1-3	\$8,600		

Mechanical	Currer	t Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Years	te 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.

BROOKLYN PUBLIC LIBRARY - 038 CONEY ISLAND BRANCH LIBRARY

Mechanical	Current Repa	ir Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Esti Total (Years)	imated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Conversion Equipment						
Hot Water Boiler	100%	2039	* *	1	\$6,900	
Distribution Hot Wtr Piping/Pump	100%	2042	* *	4	\$1,000	
Terminal Devices Convector/Radiator	100%	2039	* *	1	\$4,500	
Air Conditioning						
Energy Source Electricity	100%	2042	* *	1		
Conversion Equipment Exterior Pkg Unit - Cooling	50%	2031	* *	2	\$400	
Split Unit	50%	2031	* *			
Distribution Ductwork/Diffusers	100%	LIFE	* *	2	\$18,200	
Terminal Devices Fan Coil - Cooling	100%	2031	* *	1	\$4,500	
Ventilation						
Distribution Ductwork/Diffusers	100%	LIFE	* *	2-5	\$7,800	
Exhaust Fans Roof	100%	2031	* *	2	\$400	
Plumbing						
H/C Water Piping Brass/Copper	100%	2046	* *	1		
Water Heater Gas Fired	100% Other Observation, Extent	2024 : Light, Area Affected :	\$3,200 100%	2	\$200	
	Location: 1st Floor Med Explanation: 1 - 50 Gal	chanical	100,0			
Sanitary Piping Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping	100/0	LIFE	<u> </u>			
Cast Iron	100%	LIFE	* *	1		
Fixtures Generic	100%					
Vertical Transport						
Elevators	100%	LIFE	* *			
Hydraulic	100% Other Observation, Extent Location: 1st To 2nd Flo	: Light, Area Affected :				
	Explanation: 1 - Unit					

 $[\]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: 62

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : DEKALB BRANCH LIBRARY

Address : 790 BUSHWICK AVE. @DEKALB AVE.

Borough : BROOKLYN Agency's Number : 35

Area Sq Ft : 12,584 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 18-Mar-2013 Landmark Status : EXTERIOR LANDMARK

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 3241 Lot : 18 BIN : 3073751

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$441,100	\$37,200
Interior Architecture	\$131,800	
Electrical	\$27,300	\$35,000
Mechanical		\$51,500
Total	\$600,300	\$123,700
Importance Code A	\$441,100	\$37,200
Importance Code B	\$159,100	\$86,500
Total	\$600,300	\$123,700

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$10,200		\$4,600	
Interior Architecture	\$35,300	\$700		\$1,800
Electrical	\$11,200	\$14,300	\$1,200	\$800
Mechanical	\$1,900	\$2,900	\$3,200	\$2,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$62,500	\$21,800	\$13,000	\$9,000
Importance Code A	\$10,800	\$800	\$5,300	\$600
Importance Code B	\$41,800	\$21,000	\$7,700	\$8,400
Importance Code C	\$9,900			
Total	\$62,500	\$21.800	\$13,000	\$9,000



 $[\]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.

Architecture		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
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	15%		\$54,500	LIFE	* *	5	\$24,100	
		r Miss/Erod 1 : Cornice	l, Extent : Moderai	e, Area 1	Affected : 25%			
Masonry: Brick	83%	Now	\$111,800	LIFE	* *	5	\$17,100	1
·	_	Crumbling, 1 : Through	Extent : Severe, A out	rea Affec	eted : 20%			
	Jnt Morta	r Miss/Eroa	l, Extent : Moderai	e, Area	Affected : 20%			
	Location	ı: Through	out					
	Sidewalk	Shed in Use	, Extent : Moderat	e, Area A	Affected : 30%			
	Location	ı : Along Bı	ıshwick Ave					
Masonry: Sandstone	2%	Now	\$6,900	LIFE	* *	5	\$300	1
·		issing Elem 1 : Window	ents, Extent : Seve Sills	re, Area	Affected : 20%			
		r Miss/Erod 1 : Window	l, Extent : Severe, A Sills	Area Affe	ected : 25%			
Windows								
Wood	100%	Now	\$190,500	2049	* *	5	\$23,400	
		ation, Exten 1 : Through	nt : Moderate, Area out	Affected	l : 100%			
	•	cked, Extent 1 : Through	: Moderate, Area . out	Affected	: 50%			
			xtent : Moderate, A ading Room	Area Affe	cted : 20%			

Asset #: 13245

Curr	ent Repair	F	uture Repla	cement	Ma	aintenance	
				ated Cost	Cycle (Yrs)	Estimated Cost	Priority
		,			5	\$8,700	
		Moderate, A	rea Affected	: 20%			
•		,	1.00 1 1	00/			
		oderate, Area	Affected : 1	0%			
		,			5	\$3,700	
		Moderate, A	rea Affected	: 15%			
	_		1.00	100/			
	_	Ioderate, Ared	a Affected :	10%			
	_	1 . 4	A.CC . 1 1	50/			
		oderate, Area	Affected: 1	0%			
2% Nov	N	\$3,300 LI	FE	* *	5	\$100	1
Jnt Mortar Miss	Erod, Extent:	Severe, Area	Affected: 5	0%			
Location: Cop	ing Over Audi	torium Exit					
Misaligned/Bulg	ing, Extent : S	evere, Area Ą	ffected : 259	%			
Location: Cop	ing Over Audi	torium Exit					
Miss/Damaged (Copings, Exten	t : Severe, Ar	ea Affected .	25%			
			Affected : 1	00%			
_	-						
Explanation : T	his Coping Is	Actually Blue	stone				
95 0%		20	152	* *	10	\$27.200	
	on Frient · M				10	φ31,200	
		Jaciuic, 1116U	1 1 јјестен . 1	00/0			
	_	gress. Not Ac	cessible				
				\$3 000	5	\$1.500	
	on, Extent : M				3	φ1,300	
			,,,,,,,,,,,,,	/-			
	_	gress, Not Aco	cessible				
				\$6,400	10	\$1.800	
	on, Extent : M				-0	Ψ1,000	
		,	55				
Explanation : I	O						
	23% Now Jnt Mortar Miss/ Location : Cope Water Penetration Location : Thro Misaligned/Bulga Location : Thro Water Penetration Location : Thro Water Penetration Location : Thro Water Penetration Location : Thro 2% Now Jnt Mortar Miss/ Location : Cope Misaligned/Bulga Location : Cope Misaligned/Bulga Location : Cope Misaligned/Bulga Location : Cope Miss/Damaged C Location : Over Other Observation Location : Thro Explanation : R 5% Other Observation Location : Thro Explanation : R 10% Other Observation Location : Thro Explanation : R 10% Other Observation Location : Thro Explanation : R 5% Other Observation Location : Thro Explanation : R 5% Other Observation Location : Thro Explanation : R 5% Other Observation	23% Now \$. Jnt Mortar Miss/Erod, Extent: Location: Coping Water Penetration, Extent: Motocation: Coping 75% Now \$. Jnt Mortar Miss/Erod, Extent: Location: Throughout Misaligned/Bulging, Extent: Motocation: Throughout Water Penetration, Extent: Motocation: Throughout 2% Now 3. Jnt Mortar Miss/Erod, Extent: Motocation: Throughout 2% Now 3. Jnt Mortar Miss/Erod, Extent: Motocation: Coping Over Audit Misaligned/Bulging, Extent: S. Location: Coping Over Audit Miss/Damaged Copings, Extent Location: Over Auditorium It Other Observation, Extent: Motocation: This Coping Is 85% Other Observation, Extent: Motocation: Throughout Explanation: Repairs In Pro 5% Other Observation, Extent: Motocation: Throughout Explanation: Repairs In Pro 10%	% of Fail Date Estimated Cost Total (Years) 23% Now \$38,200 LI Int Mortar Miss/Erod, Extent: Moderate, And Location: Coping Water Penetration, Extent: Moderate, Area Location: Coping 75% Now \$46,100 LI Int Mortar Miss/Erod, Extent: Moderate, Area Location: Throughout Misaligned/Bulging, Extent: Moderate, Area Location: Throughout Water Penetration, Extent: Moderate, Area Location: Throughout 2% Now \$3,300 LI Int Mortar Miss/Erod, Extent: Severe, Area Location: Coping Over Auditorium Exit Misaligned/Bulging, Extent: Severe, Area A Location: Coping Over Auditorium Exit Miss/Damaged Copings, Extent: Severe, Area Location: Over Auditorium Exit Other Observation, Extent: Moderate, Area Location: This Coping Is Actually Blue 85% 20 Other Observation, Extent: Moderate, Area Location: Throughout Explanation: Repairs In Progress, Not Accadion: Throughout	23% Now \$38,200 LIFE Int Mortar Miss/Erod, Extent: Moderate, Area Affected: Location: Coping Water Penetration, Extent: Moderate, Area Affected: Location: Coping 75% Now \$46,100 LIFE Int Mortar Miss/Erod, Extent: Moderate, Area Affected: Location: Throughout Misaligned/Bulging, Extent: Moderate, Area Affected: Location: Throughout Water Penetration, Extent: Moderate, Area Affected: Location: Throughout Water Penetration, Extent: Moderate, Area Affected: Location: Throughout 2% Now \$3,300 LIFE Int Mortar Miss/Erod, Extent: Severe, Area Affected: 5 Location: Coping Over Auditorium Exit Misaligned/Bulging, Extent: Severe, Area Affected: 25% Location: Coping Over Auditorium Exit MissDamaged Copings, Extent: Severe, Area Affected: Location: Over Auditorium Exit Other Observation, Extent: Moderate, Area Affected: Location: Coping Over Auditorium Exit Explanation: This Coping Is Actually Bluestone 85% 2052 Other Observation, Extent: Moderate, Area Affected: Location: Throughout Explanation: Repairs In Progress, Not Accessible 5% 2020 Other Observation, Extent: Moderate, Area Affected: Location: Throughout Explanation: Repairs In Progress, Not Accessible 10% 2024 Other Observation, Extent: Moderate, Area Affected: I	23% Now \$38,200 LIFE ** Jnt Mortar Miss/Erod, Extent: Moderate, Area Affected: 20% Location: Coping Water Penetration, Extent: Moderate, Area Affected: 10% Location: Coping 75% Now \$46,100 LIFE ** Jnt Mortar Miss/Erod, Extent: Moderate, Area Affected: 15% Location: Throughout Misaligned/Bulging, Extent: Moderate, Area Affected: 10% Location: Throughout Water Penetration, Extent: Moderate, Area Affected: 15% Location: Throughout 2% Now \$3,300 LIFE ** Jnt Mortar Miss/Erod, Extent: Severe, Area Affected: 50% Location: Coping Over Auditorium Exit Misaligned/Bulging, Extent: Severe, Area Affected: 25% Location: Coping Over Auditorium Exit Miss/Damaged Copings, Extent: Severe, Area Affected: 25% Location: Over Auditorium Exit Other Observation, Extent: Moderate, Area Affected: 100% Location: Throughout Explanation: This Coping Is Actually Bluestone 85% 2052 ** Other Observation, Extent: Moderate, Area Affected: 100% Location: Throughout Explanation: Repairs In Progress, Not Accessible 5% 2020 \$3,900 Other Observation, Extent: Moderate, Area Affected: 100% Location: Throughout Explanation: Repairs In Progress, Not Accessible 10% Location: Extent: Moderate, Area Affected: 100% Location: Throughout Explanation: Repairs In Progress, Not Accessible 10% Location: Extent: Moderate, Area Affected: 100% Location: Throughout Explanation: Repairs In Progress, Not Accessible	Year Estimated Cost Year Estimated Cost Cycle Total Years S	Year Estimated Cost Total Total (Years) Year Estimated Cost Cycle (Yrs)

Interior

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

Asset #: 13245

Architecture		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
nterior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$3,900	
Ceramic Tile	5%			2027	\$18,800	5	\$900	
Sheet Vinyl/Rubber	5%		****	2029	**	5	\$1,300	
Vinyl Tile	80%		\$131,800	2034	**	3	\$5,400	
			ctent : Moderate, A Lout Main Floor	rea Affec	ted : 50%			
	_	_	, Extent : Moderate	, Area Aj	ffected : 20%			
		_	out Main Floor					
			Moderate, Area Aj	ffected : .	50%			
	Location	n : Through	out Main Floor					
Interior Walls								
Ceramic Tile	5%			2027	\$26,100	5	\$900	
Concrete Masonry Unit	10%			LIFE	* *	5	\$700	
Gypsum Board	15%		40.000	LIFE	* *	5	\$1,600	
Plaster	65%		\$9,900	LIFE	**	5	\$3,400	
			Extent : Moderate, A		cted: 5%			
			an Room, Tech Roo					
Wood	5%			LIFE	* *	5	\$3,500	
Ceilings						_		
AcousTile,Adhered	5%		\$9,100	2044	* *	5	\$500	
		Failure, Ex n : Auditori	ctent : Moderate, Ai um	rea Affec	ted : 40%			
	Broken/M	issing Elen	nents, Extent : Seve	re, Area	Affected : 30%			
	Location	n : Auditori	um					
AcousTileSusp.Lay-In	25%	Now	\$7,900	2029	* *	5	\$2,300	
1 7	Water Per	netration, E	Extent : Moderate, A	Area Affe	cted : 10%		. ,	
	Location	n : Custodia	an Office And Tech	Room				
Exposed Concrete	5%			LIFE	* *	5	\$100	
Plaster	65%		\$8,400	LIFE	* *	5	\$7,400	
	Cracking/		, Extent : Moderate	, Area A	ffected : 5%	-	,,,,,	
			 Extent : Moderate, A	Area Affe	cted : 5%			
		n : Mezzani		1 -5,5 C				

Electrical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts		•				
Service Equipment						
Molded Case Bkrs	100%	2024	\$1,600	5	\$300	
	Other Observation, Extent: Moderate	e, Area Affe	cted : 100%			
	Location : Electrical Room					
	Explanation : One 600 Amps Main	Disconnect	Switch			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2024	\$35,000	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 #: 13245

Electrical	Current Repair	Future F	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Raceway						
Conduit	70%	2024	\$23,800	1		
Conduit	30%	2044	* *	1		
Panelboards						
Fused Disc Sw	5%	2040	* *	5		
Molded Case Bkrs	20%	2023	\$3,200	5	\$100	
Molded Case Bkrs	75%	2040	* *	5	\$200	
Wiring		•0.44		_		
Thermoplastic	30%	2044	**	1		
Thermoplastic	70%	2024	\$21,000	1		
Motor Controllers	1000/	2025		-	* * * * * * * * * *	
Locally Mounted	100%	2037	* *	5	\$100	
Ground						
Grounding Devices	1000/ 0.2 010.200	LIEE	* *	~	#200	
Generic	100% 0-2 \$10,300			5	\$200	
	Other Observation, Extent : Moderate Location : Water Main	г, Агеа Ајјесте	ea: 100%			
Cialdina	Explanation: Corroded					
Lighting						
Interior Lighting Fluorescent	20%	2019	\$27,300	10	\$2,300	
Fluorescent	Other Observation, Extent : Moderate			10	\$2,300	
	Location: Throughout The Building		a. 10070			
	Explanation: T-12 Lamps					
Electronic	50%	2029	* *	10	¢£ 000	
Fluorescent				10	\$5,800	
	T-5 Lamps And Fixtures, Extent : Mod Location : Throughout The Building		yjeciea : 100%			
Fluorescent	30%	2029	* *	10	\$3,500	
	T-8 Lamps And Fixtures, Extent: Mod	derate, Area A	Affected : 100%			
	Location: Throughout The Building					
Egress Lighting						
			.11.	1.0	¢1.500	
Emergency, Battery	50%	2029	* *	10	\$1,500	
	50% 50%	2029 2029	**	10 1	\$1,500	
Emergency, Battery					\$1,500	
Emergency, Battery Exit, Service					\$1,500	
Emergency, Battery Exit, Service Exterior Lighting	50%	2029	* *	1	\$1,500	
Emergency, Battery Exit, Service Exterior Lighting HID	50%	2029	* *	1	\$1,500	
Emergency, Battery Exit, Service Exterior Lighting HID Alarm	50%	2029	* *	1	\$1,500	
Emergency, Battery Exit, Service Exterior Lighting HID Alarm Security System	50% 100%	2029	* *	1	\$1,300	
Emergency, Battery Exit, Service Exterior Lighting HID Alarm Security System No Component	50% 100% 70%	2029	**	10		

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

Note: 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 #: 13245

Mechanical	Current Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2037	* *	1	\$6,200	
	Other Observation, Extent : Light, Ar	rea Affected :	100%			
	Location : Boiler Room					
	Explanation : One Unit					
Distribution						
Hot Wtr Piping/Pump	100%	2032	* *	4	\$600	
Terminal Devices						
Air Handler	70%	2024	\$51,500	1	\$5,500	
Convector/Radiator	30%	2037	* *	1	\$1,200	
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment						
Exterior Pkg Unit -	70%	2029	* *	2	\$500	
Cooling						
	R-22 Refrigerant, Extent: Light, Area	a Affected : 1	00%			
	Location: 2 Units On The Roof					
No Component	30%					
Terminal Devices						
Fan Coil - Cooling	30%	2029	* *	1	\$1,200	
No Component	70%					
Heat Rejection						
Air Condenser Unit	30%	2029	* *	2	\$2,600	
No Component	70%				. ,	
Ventilation 1						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$7,000	
Exhaust Fans					•	
Interior	100%	2024	\$15,100	2	\$400	
Plumbing			<u> </u>		·	
H/C Water Piping						
Galv Iron/Steel	100%	2037	* *	1		
Water Heater						
Gas Fired	100%	2022	\$3,200	2	\$200	
Sanitary Piping					·	
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Backflow Preventer						
No Component	90%					
Generic	10%	2029	* *	1	\$100	
Fixtures	10/0	2027			Ψ100	
Generic	100%					
Vertical Transport	10070					

Vertical Transport

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

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

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

Page: 68

BROOKLYN PUBLIC LIBRARY - 038 DEKALB BRANCH LIBRARY

Mechanical	Current Repair	Future R	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimat Total (Years)	ed Cost Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Li	ght, Area Affected : 1	00%			
	Location: B-1					
	Explanation : One Unit					
Fire Suppression						
Chemical System						
No Component	90%					
Generic	10%	2022	\$2,800	1-3	\$5,100	
	Other Observation, Extent : Li	ght, Area Affected : 1	00%			
	Location : Throughout					
	Explanation: Fire Extinguish	ners				

Page: 69

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : EAST FLATBUSH BRANCH LIBRARY

Address : 9612 CHURCH AVE. NEAR ROCKAWAY PARKWAY

Borough : BROOKLYN Agency's Number : 36

Area Sq Ft : 12,329 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 12-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1

Block : 4717 Lot : 38 BIN : 3103597

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture		\$150,500
Electrical		\$168,500
Mechanical		\$289,500
Total		\$608,500
Importance Code A		\$150,500
Importance Code B		\$457,900
Total		\$608,500

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$30,100	\$100		
Interior Architecture	\$800		\$1,800	
Electrical	\$1,200	\$1,200	\$1,400	\$1,200
Mechanical	\$1,500	\$1,300	\$2,800	\$1,300
Total	\$33,600	\$2,700	\$5,900	\$2,400
Importance Code A	\$30,700	\$800	\$600	\$600
Importance Code B	\$2,900	\$1,900	\$5,300	\$1,800
Importance Code C				
Total	\$33,600	\$2,700	\$5,900	\$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.

BROOKLYN PUBLIC LIBRARY - 038 EAST FLATBUSH BRANCH LIBRARY

Asset #: 13247

Architecture	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%			LIFE	* *	5	\$4,300	
Glass Block	10%			LIFE	* *	5	\$1,000	
Masonry: Brick	40%			LIFE	* *	5	\$6,100	
Granite Panels	5%			LIFE	* *	5	\$600	
Parapets								
Concrete Masonry Unit	25%			LIFE	* *	5	\$400	
Metal Panel	5%			2044	* *	5	\$300	
Metal: Cage/Fence	70%			2037	* *	5-10	\$8,000	
Roof								
IRMA/Protected Membrane	90%	Now	\$30,100	2024	\$150,500			
Membrane	Incul Data	or/Micc Evt	ent : Moderate, Ar	oa Affact	ad · 25%			
		17 Miss, Exi 1 : Through		еи Ајјесі	eu . 2570			
			xtent : Moderate, A	Aroa Affa	cted : 10%			
		ı : First Flo		ней Аује	стей . 10/0			
Sloped Glazing	10%			LIFE	* *	5	\$28,200	
Interior								
Floors								
Ceramic Tile	10%			2033	* *	5	\$1,600	
Vinyl Tile	90%			2029	* *	3	\$5,300	
Interior Walls								
Concrete Masonry Unit	25%			LIFE	* *	5	\$1,600	
Gypsum Board	75%			LIFE	* *	5	\$7,000	
Ceilings								
AcousTileSusp.Lay-In	75%			2037	* *	5	\$11,800	
Plaster	25%			LIFE	* *	5	\$2,500	

Electrical	Current Repair	Future R	eplacement	Ma	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2034	* *	5	\$100	
	Other Observation, Extent : Moderate,	Area Affected	d: 100%			
	Location: Electrical Room					
	Explanation : Main Service Switch R	ated @ 600 A	mperes			
Switchgear / Switchboard						
Fused Disc Sw	100%	2034	* *	5	\$100	
Raceway						
Conduit	100%	2034	* *	1		
Panelboards						
Molded Case Bkrs	100%	2032	* *	5	\$300	
Wiring						
Thermoplastic	100%	2034	* *	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.

BROOKLYN PUBLIC LIBRARY - 038 EAST FLATBUSH BRANCH LIBRARY

Asset #: 13247

Electrical	Current Repair	Future	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year E	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Motor Controllers						
Locally Mounted	100%	2029	* *	5	\$100	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$200	
Lighting						
Interior Lighting						
Fluorescent	98%	2024	\$119,900	10	\$11,100	
	T-12 Lamps And Fixtures, Extent		Affected: 100%			
	Location: Throughout The Bui	lding				
Fluorescent	2%	2024	\$2,400	10	\$200	
	Other Observation, Extent : Mod	erate, Area Affect <mark>e</mark>	ed : 100%			
	Location : Entrance					
	Explanation: Compact Fluores	scent Light Fixture	es .			
Egress Lighting						
Emergency, Battery	50%	2024	\$8,200	10	\$1,500	
Exit, Service	50%	2024	\$900	1		
Exterior Lighting						
HID	100%	2024	\$46,100	10		
Marm						
Security System						
Generic	100%	2032	* *	1	\$4,600	
	Other Observation, Extent : Mod Location : Throughout The Bui		ed : 100%			
	Explanation : C C T V Surveill	lance Cameras				
Fire/Smoke Detection						
Generic	100%	2032	* *	1-3	\$7,600	
	Other Observation, Extent : Mod	lerate, Area Affecto	ed : 100%			
	Location : Throughout The Bui	lding				
	Explanation : Smoke Detector,	Manual Pull Stati	on, Strobe Lights	And Ho	orns	

Mechanical	Current Repair	Current Repair Future Replacement Maintenance		Current Repair Future Replacement Maint		Maintenance		ntenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estin	mated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Heating									
Energy Source									
Natural Gas	100%	2044	* *	1					
Conversion Equipment									
Hot Water Boiler	100%	2037	* *	1	\$6,100				
	Other Observation, Extent: Ligarity	nt, Area Affected : 100	%						
	Location : Basement Boiler Ro	oom							
	Explanation: 1 Unit								
Distribution									
Hot Wtr Piping/Pump	100%	2032	* *	4	\$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.

BROOKLYN PUBLIC LIBRARY - 038 EAST FLATBUSH BRANCH LIBRARY

	Current Repair	Futur	e Replacement	M	aintenance	
% of 1 Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
70%		2024		1		
30%		2029	* *	1	\$1,200	
100%		2040	* *	1		
100%		2022	\$243,400	2	\$800	
R-22 Refrig	gerant, Extent : Light, Area A	Affected :	100%			
Location .	: Basement					
100%						
100%		LIFE	* *	2-5	\$6,900	
90%		2024	\$12,200	2	\$300	
10%		2024	\$1,000	2		
100%		2044	* *	1		
100%		2022	\$2,800	2	\$200	
100%		LIFE	* *	1		
100%		LIFE	* *	1		
100%						
	Total 70% 30% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%	% of Fail Date Estimated Cost Total (Years) 70% 30% 100% 100% R-22 Refrigerant, Extent: Light, Area A Location: Basement 100% 100% 100% 100% 100% 100% 100%	% of Total Fail Date (Years) Estimated Cost (Year FY) Year FY 70% 30% 2024 2029 100% 2040 100% 2022 R-22 Refrigerant, Extent : Light, Area Affected : Location : Basement 100% 100% LIFE 90% 2024 2024 100% 2044 100% 2022 100% LIFE 100% LIFE 100% LIFE	% of Total Fail Date (Years) Estimated Cost FY Estimated Cost FY 70% 30% 2024 \$46,100 2029 *** 100% 2040 ** 100% 2022 \$243,400 R-22 Refrigerant, Extent: Light, Area Affected: 100% LOCATION: Basement 100% LIFE ** 90% 2024 \$12,200 10% 2024 \$1,000 100% 2044 ** 100% 2022 \$2,800 100% LIFE ** 100% LIFE **	% of Total Fail Date (Years) Estimated Cost (Yrs) Estimated Cost (Yrs) Cycle (Yrs) 70% 30% 2024 \$46,100 1 100% 2040 ** 1 100% 2022 \$243,400 2 R-22 Refrigerant, Extent: Light, Area Affected: 100% Location: Basement ** 2-5 90% 2024 \$12,200 2 100% 2024 \$1,000 2 100% 2024 \$1,000 2 100% 2024 \$1,000 2 100% 2024 \$2,800 2 100% LIFE ** 1 100% LIFE ** 1	No of Total Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs) Estimated Cost (Yrs) F (Y

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

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : EASTERN PARKWAY BRANCH LIBRARY

Address : 1044 EASTERN PKWY. @SCHENECTADY AVE.

Borough : BROOKLYN Agency's Number : 37

Area Sq Ft : 15,901 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 24-Jun-2015 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 1396 Lot : 6 BIN : 3037543

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$112,700	\$74,000
Electrical	\$163,200	\$209,400
Mechanical		\$121,800
Total	\$275,900	\$405,200
Importance Code A	\$112,700	\$74,000
Importance Code B	\$163,200	\$331,200
Total	\$275,900	\$405,200

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$13,100	\$28,100	\$16,900	
Interior Architecture	\$12,000			\$4,000
Electrical	\$22,600	\$1,500	\$1,700	\$10,100
Mechanical	\$2,900	\$2,600	\$8,900	\$1,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$54,500	\$36,100	\$31,400	\$19,800
Importance Code A	\$13,900	\$28,900	\$17,700	\$1.000
I	415,700	Ψ=0,>00	Ψ11,100	Ψ1,000
Importance Code B	\$40,600	\$7,200	\$13,700	\$18,800
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

Asset #: 13248

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Maintenance \$ are aggregated over a 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 #: 13248

Architecture		Current Re	pair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date I (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileConcealSpLn	90%	Now	\$3,400	2039	* *	5	\$13,400	
	Broken/Mi	ssing Elemer	ıts, Extent : Light	, Area A	ffected : 5%			
	Location	: At Entry V	estibule					
Plaster	10%			LIFE	* *	5	\$1,500	

Electrical		Current Repair			e Replacement	M		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Jnder 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2026	\$1,500	5	\$400	
			xtent : Light, Area	Affected	: 100%			
		: Electrica						
	Explana	tion : 500 A	mp Service					
Switchgear / Switchboard	1000/			2026	фаа ооо	_		
Molded Case Bkrs	100%			2026	\$32,000	5	\$400	
Raceway	0.50			2027	#20.500	1		
Conduit	95%			2026	\$29,500	1		
Conduit	5%			2036	* *	1		
Panelboards	0.50/			2025	ф1.4.100	~	#400	
Molded Case Bkrs	95%			2025	\$14,100 * *	5	\$400	
Molded Case Bkrs	5%			2034	* *	5		
Wiring	0.007	0.2	#22.000	2051	* *	1		
Braided Cloth	80%	0-2	\$22,000	2051		1		
		-	nt : Light, Area Aff out The Building	естеа : 1	100%			
		. Inroughe	oui The Building					
Thermoplastic	20%			2036	* *	1		
Ground								
Grounding Devices	1000/			LIDE	* *	-	#200	
Generic	100%			LIFE	* *	5	\$200	
ighting								
Interior Lighting	0.50/			2026	\$140,000	10	¢12.000	
Fluorescent	95%	as And Eine	ıres, Extent : Light		\$149,900	10	\$13,900	
	-		ires, Extent : Light out The Building	, Area A	ујества : 100%			
Incandescent	5%			2021	\$7,900	2		
Egress Lighting								
Exit, LED	30%			2041	* *	1		
Exit, Service	40%			2026	\$900	1		
Exit, Battery	30%			2026	\$2,200	10	\$300	
Exterior Lighting								
HID	100%			2026	\$59,500	10		

Alarm

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

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

Asset #: 13248

Electrical	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
Alarm						
Security System						
Generic	100%	2031	* *	1	\$5,900	
	Other Observation, Extent : Light	, Area Affected	: 100%			
	Location : Throughout The Buil	ding				
	Explanation: Cctv Only					
Fire/Smoke Detection						
Generic, Analog	100% 0-2 \$163	,200 2036	* *	1-3	\$8,900	
-	Other Observation, Extent: Light	, Area Affected	: 100%			
	Location : Throughout The Buil	ding				
	Explanation : Outdated - Very (Old Fire Alarm	System			

Mechanical		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
Heating							
Energy Source							
Electricity	30%		2046	* *	1		
		ervation, Extent : Light, Area	Affected	: 100%			
	Location	·					
		tion : Electric Coil In Roof To	p Unit				
Natural Gas	70%		2046	* *	1		
Conversion Equipment							
Furnace	30%		2026	\$5,800	1	\$2,400	
Hot Water Boiler	70%		2031	* *	1	\$5,500	
Distribution							
Ductwork/Diffusers	50%		LIFE	* *	2-5	\$4,400	
Hot Wtr Piping/Pump	50%		2042	* *	4	\$600	
Terminal Devices							
Air Handler	70%		2026	\$59,500	1	\$6,900	
Convector/Radiator	30%		2031	* *	1	\$1,500	
Air Conditioning							
Energy Source							
Electricity	100%		2042	* *	1		
Conversion Equipment							
Exterior Pkg Unit -	30%		2026	\$21,800	2	\$300	
Cooling							
Ext Pkg Unit -	60%		2026	\$62,300	2	\$600	
Heating/Cooling							
Split Unit	10%		2031	* *			
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2	\$20,700	
Terminal Devices							
Direct Expansion	10%		2026	\$4,900	1		
No Component	90%						
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.

Asset #: 13248

Mechanical	Current Repair	Future	e Replacement	М		
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$8,900	
Exhaust Fans	400-1		de de	_		
Roof	100%	2031	* *	2	\$500	
Plumbing						
H/C Water Piping	100%	2046	* *	1		
Brass/Copper	100%	2040	-1- 1-	1		
Water Heater Gas Fired	100%	2024	\$3,700	2	\$200	
Gas Filed	Other Observation, Extent : Light, A			2	\$200	
	Location: Boiler Room	rearyjeciea	. 10070			
	Explanation: 1 - 40 Gallon Unit					
Sanitary Piping	Espianaron: 1 To Garion Chir					
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping	20070					
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Rigid Piping	100%	2031	* *	4	\$2,500	
Sewage Ejector(s)						
Compressed Air	100%	2046	* *	4	\$2,500	
Backflow Preventer						
No Component	90%					
Generic	10%	2031	* *	1	\$100	
	Other Observation, Extent : Light, A	rea Affected	: 10%			
	Location : Boiler Room					
	Explanation : Boilers Only					
Fixtures	400-1					
Generic	100%					
Vertical Transport						
Elevators	1000/	T TEE	* *			
Hydraulic	100%	LIFE				
	Other Observation, Extent: Light, And Location: Basement to 2nd Floor	геа Ајјестеа	. 100%			
	Explanation : One Unit					

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : FLATBUSH BRANCH LIBRARY

Address : 22 LINDEN BLVD. BTWN: FLATBUSH AVE - BEDFORD AVE
Borough : BROOKLYN Agency's Number : 38

Area Sq Ft : 21,790 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 12-May-2015 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2m,2

Block : 5086 Lot : 15 BIN : 3116706

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$185,300	
Interior Architecture		\$25,900
Mechanical		\$218,000
Total	\$185,300	\$243,900
Importance Code A	\$185,300	
Importance Code B		\$243,900
Total	\$185,300	\$243,900

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$10,700			\$21,600
Interior Architecture		\$6,700	\$2,300	
Electrical	\$400	\$600	\$500	\$20,800
Mechanical	\$9,300	\$4,500	\$10,400	\$4,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$24,400	\$15,800	\$17,100	\$50,900
Importance Code A	\$11,800	\$1,100	\$1,100	\$22,700
Importance Code B	\$12,600	\$14,700	\$14,800	\$28,200
Importance Code C			\$1,200	
Total	\$24,400	\$15,800	\$17,100	\$50,900



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 #: 4202

Architecture		Current Repair F		Futur	Future Replacement		Maintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls	0 =		44.00 400			_		
Masonry: Brick	85%	Now	\$138,600	LIFE	**	5	\$23,200	
	_	rumbling, : Southwe	Extent : Moderate	, Area Aj	ffectea : 20%			
			sı Exii tent : Moderate, Ar	oa Affac	tod · 10%			
	_	: South Fa		ей Ајјес	ieu . 1070			
			ent : Moderate, Are	a Affecte	ed: 10%			
		: Chimney		ci 12jj core	. 10,0			
Masonry: Limestone	5%			LIFE	* *	5	\$1,000	
Pre-Cast Concrete	10%	Now	\$8,900	LIFE	* *	5	\$8,900	
			d, Extent : Moderat		Affected : 25%		, - ,	
	Location	: Building	Base					
	Open Join	s, Extent:	Moderate, Area Aj	fected : .	25%			
	Location	: Building	Base					
Windows								
Aluminum	93%	Now	\$46,700	2042	* *	5	\$2,800	
			nents, Extent : Ligh	t, Area A	ffected : 10%			
		: Through			ACC . 1 200/			
		c Not Fun : Through	ct, Extent : Modera	ite, Area	Affectea : 20%			
CI DI I		. Inrougn	Oui	T TEE	* *		#100	
Glass Block	2%	NT.	¢1 000	LIFE	* *	5	\$100	
Metal Louvers	5%	Now Rusting F	\$1,800 Extent : Moderate, A	2029 Vrag Affa				
		: South Fa		теи Аује	ciea . 20/0			
			Extent : Moderate,	Area Afi	fected · 20%			
		: South Fo		111 001 1199	2070			
Parapets								
Masonry: Brick	90%			LIFE	* *	5	\$5,800	
Metal Panel	5%			2046	* *	5	\$1,300	
Pre-Cast Concrete	5%			LIFE	* *	5	\$2,000	
Roof	0.207			2021	ale ale	10	#21 000	
Built-Up (BUR)	93%			2031	* *	10	\$21,000	
Skylight, Metal/Glass Skylight, Metal/Glass	5%			2046	* *	10	\$3,800	
Interior Skylight, Metal/Glass	2%			2036		10	\$1,500	
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$3,400	
Ceramic Tile	5%			2035	* *	5	\$1,500	
Terrazzo	5%			LIFE	* *	5	\$1,200	
Vinyl Tile	75%			2031	* *	3	\$8,700	
Vinyl Tile	10%			2026	\$25,900	3	\$1,200	

 $[\]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 #: 4202

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								
Ceramic Tile	5%			2035	* *	5	\$2,300	
Concrete Masonry Unit	10%			LIFE	* *	5	\$1,900	
Glass: Single Pane	5%			LIFE	* *	5	\$1,700	
Gypsum Board	10%			LIFE	* *	5	\$2,800	
Masonry: Brick	5%			LIFE	* *			
Marble Panels	5%			LIFE	* *			
Plaster	55%			LIFE	* *	5	\$7,700	
Plaster	5%			LIFE	* *	5	\$700	
Ceilings								
AcousTileSusp.Lay-In	25%			2039	* *	5	\$7,700	
Gypsum Board	10%			LIFE	* *	5	\$3,800	
Plaster	65%			LIFE	* *	5	\$12,500	

Electrical	Current Repair	Future	Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2046	* *	5	\$100	
	Other Observation, Extent: Modera	ate, Area Affec	ted : 100%			
	Location : Electrical Room					
	Explanation: One 1200 Amps Ma	in Disconnect	Switch			
Switchgear / Switchboard						
Fused Disc Sw	60%	2046	* *	5	\$100	
Molded Case Bkrs	40%	2036	* *	5	\$200	
Raceway						
Conduit	70%	2026	\$21,700	1		
Conduit	30%	2046	* *	1		
Panelboards						
Fused Disc Sw	10%	2042	* *	5	\$100	
Molded Case Bkrs	70%	2042	* *	5	\$400	
Molded Case Bkrs	20%	2025	\$4,400	5	\$100	
Wiring						
Thermoplastic	80%	2046	* *	1		
Thermoplastic	20%	2026	\$5,500	1		
Motor Controllers						
Locally Mounted	100%	2039	* *	5	\$100	
Ground						
Grounding Devices						
Generic	50%	LIFE	* *	5	\$200	
Generic	50%	LIFE	* *	5	\$200	
	Other Observation, Extent : Modera	ate, Area Affec	rted : 100%			
	Location: Basement					
	Explanation: Water Main					
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.

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

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

Asset #: 4202

Electrical	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
Lighting						
Interior Lighting						
Fluorescent	77%	2031	* *	10	\$15,400	
	Other Observation, Exten Location : Throughout Explanation : T-8 Lamp	. 33	cted : 100%			
Fluorescent	20%	2031	* *	10	\$4,000	
	Other Observation, Exten Location : 2nd Floor Ho Explanation : T-5 Lamp	allway, Basement Stora				
Incandescent	3%	2031	* *	2		
Egress Lighting						
Exit, Service	50%	2031	* *	1		
Exit, Battery	50%	2031	* *	10	\$700	
Exterior Lighting						
HID	100%	2031	* *	10	\$100	
Alarm						
Security System						
No Component	80%					
Generic	20%	2031	* *	1	\$1,600	
Fire/Smoke Detection						
No Component	80%					
Generic, Analog	20%	2031	* *	1-3	\$2,700	

Mechanical	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
Heating						
Energy Source						
Natural Gas	100%	2036	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2043	* *	1	\$10,800	
	Other Observation, Extent : Light, Area	a Affected	! : 100%			
	Location: Basement					
	Explanation: One Unit					
Distribution						
Hot Wtr Piping/Pump	100%	2048	* *	4	\$1,100	
	Recent Replace Evident, Extent : Light	Area Aff	ected : 100%			
	Location: Basement					
Terminal Devices						
Air Handler	40%	2026	\$46,600	1	\$5,400	
Air Handler	20%	2034	* *	1	\$2,700	
Convector/Radiator	40%	2031	* *	1	\$2,800	
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 #: 4202

Mechanical	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
Air Conditioning		•				
Conversion Equipment	1000/	2025	φ πο ο οο		#10.100	
Reciprocating	100%	2026	\$73,300	1	\$10,100	
Compr/Chiller	R-22 Refrigerant, Extent : Lig	ht Area Affected:	100%			
	Location: Basement	т, Агеи Аујестеи .	10070			
Distribution						
Chilled Wtr Pipe/Pump	80%	2036	* *	4	\$900	
No Component	20%					
Terminal Devices						
Air Handler/Cool/Ht	60%	2026	\$55,000	1	\$8,100	
Air Handler/Cool/Ht	20%	2031	* *	1	\$2,700	
Fan Coil - Cool/Heat	20%	2031	* *	1	\$1,400	
Heat Rejection						
Air Condenser Unit	100%	2026	\$43,100	2	\$15,200	
Ventilation						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$12,200	
Exhaust Fans						
Roof	100%	2034	* *	2	\$700	
Plumbing						
H/C Water Piping	200/	2026	* *	1		
Brass/Copper Galv Iron/Steel	20%	2036 2031	* *	1		
	80%	2031	-11-	1		
Water Heater Electric	100%	2025	\$3,300	4	\$100	
Electric	Recent Replace Evident, Exter			4	\$100	
	Location : Basement	u . Ligiii, mea mje	.c.c. 10070			
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping	=					
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Rigid Piping	100%	2034	* *	4	\$2,500	
6 1 6	Recent Replace Evident, Exter	nt : Light, Area Affe	ected : 100%			
	Location: Basement					
Sewage Ejector(s)						
Electric	100%	2026	\$11,000	4	\$2,500	
Backflow Preventer						
Generic	100% 0-2	\$100 2034	* *	1	\$1,200	
	Other Observation, Extent : L	ight, Area Affected	: 100%			
	Location: Basement					
	Explanation : Slight Leak					
Fixtures	1000/					
Generic Vertical Transport	100%					

Vertical Transport

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

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

BROOKLYN PUBLIC LIBRARY - 038 FLATBUSH BRANCH LIBRARY

Asset #: 4202

	•	Future Replacement	Maintenance	
Component	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority

Vertical Transport

Elevators

Hydraulic 100% LIFE **

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

Location: B-2 Explanation: 1 Unit

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : FLATLANDS BRANCH LIBRARY

Address : 2065 FLATBUSH AVENUE @AVENUE P

Borough : BROOKLYN Agency's Number : 39

Area Sq Ft : 12,028 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 04-Apr-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1,2m

Block : 7868 Lot : 39 BIN : 3219626

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture		\$128,400
Electrical		\$193,600
Mechanical		\$142,100
Total		\$464,100
Importance Code A		\$128,400
Importance Code B		\$335,700
Total		\$464,100

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$6,100	\$7,400		
Interior Architecture	\$29,700		\$2,100	
Electrical	\$600	\$500	\$500	\$400
Mechanical	\$1,200	\$3,700	\$2,300	\$1,000
Total	\$37,600	\$11,600	\$4,900	\$1,400
Importance Code A	\$6,700	\$8,000	\$600	\$600
Importance Code B	\$30,500	\$3,600	\$4,300	\$800
Importance Code C	\$400			
Total	\$37,600	\$11,600	\$4.900	\$1,400



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

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

Asset #: 13249

Architecture		Current I	Repair	Futur	re Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
xterior								
Exterior Walls								
Concrete Masonry Unit	10%			LIFE	* *	5	\$1,100	
Masonry: Brick	87%			LIFE	* *	5	\$15,900	
Pre-Cast Concrete	3%		\$1,800	LIFE	* *	5	\$1,800	
			l, Extent : Moderat	e, Area A	Affected : 50%			
	Location	ı : Window	Sills					
Windows								
Glass Block	50%			LIFE	* *	5	\$2,000	
Steel	50%			2032	* *	5	\$39,300	
Parapets								
Masonry: Brick	90%			LIFE	* *	5	\$2,500	
Metal Panel	10%		\$4,300	2044	* *	5	\$500	
		_	ents, Extent : Seve	re, Area	Affected : 25%			
	Location	ı : Metal Co	oping At East Side					
Roof								
Modified Bitumen	25%			2029	* *	10	\$7,400	
Modified Bitumen	75%			2024	\$128,400	10	\$22,300	
terior								
Floors								
Ceramic Tile	5%			2033	* *	5	\$900	
Vinyl Tile	95%			2029	* *	3	\$6,400	
Interior Walls								
Ceramic Tile	5%			2033	* *	5	\$800	
Gypsum Board	95%			LIFE	* *	5	\$9,300	
Ceilings								
AcousTileConcealSpLn	20%	Now	\$28,900	2044	* *	5	\$2,300	
	Broken/M	issing Elen	ents, Extent : Mod	erate, Ar	rea Affected : 20%			
	Location	ı : Mezzani	ne					
	Cracking/	Crumbling,	Extent : Moderate	, Area A	ffected : 25%			
	Location	ı : Mezzani	ne					
AcousTileSusp.Lay-In	70%			2037	* *	5	\$12,600	
Gypsum Board	10%			LIFE	* *	5	\$2,300	
	1370						42,500	

Electrical	Current Repair	Future Rep	olacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estin	mated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2024	\$1,500	5	\$100	
	Other Observation, Extent: Moderate,	Area Affected :	100%			
	Location : Electrical Room					
	Explanation: Main Service Switch R	ated @ 400 Am	peres			
Raceway						
Conduit	90%	2024	\$28,000	1		
Conduit	10%	2044	* *	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.

Asset #: 13249

Electrical	Current Rep	pair Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Est Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Panelboards						
Molded Case Bkrs	10%	2040	* *	5		
Molded Case Bkrs	90%	2023	\$13,300	5	\$300	
Wiring						
Thermoplastic	90%	2024	\$24,700	1		
Thermoplastic	10%	2044	* *	1		
ighting						
Interior Lighting	400/	2024	¢47.700	10	¢4.400	
Fluorescent	40%	2024	\$47,700	10	\$4,400	
	T-8 Lamps And Fixtures Location: Throughout		a Affected : 100%			
Fluorescent	5%	2024	\$6,000	10	\$600	
	Other Observation, Exte Location : 1st Floor Explanation : Compac	t Fluorescent Light Fixt				
Fluorescent	55%	2024	\$65,600	10	\$6,100	
	T-12 Lamps And Fixture Location : Throughout			ó	, ,	
Egress Lighting						
Emergency, Service	50%	2024	\$2,900	1		
Exit, Service	50%	2024	\$900	1		
Exterior Lighting						
Fluorescent	100%	2024	\$38,200	10	\$1,100	
	Other Observation, Exte Location : Outside	ent : Moderate, Area Affa	ected : 100%			
	Explanation: Compac	t Fluorescent Light Fixt	ures			
larm Security System						
Generic	100%	2024	\$36,100	1	\$4,500	
	Other Observation, Exte	nt : Moderate, Area Affa				
	Location : Throughout	The Building				
	Explanation: Cctv Sur	rveillance Cameras				

Mechanical	Current Re	pair Futur	e Replacement	Maintenance	
System Component Type	% of Fail Date F Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle Estimated Cost (Yrs)	Priority
Heating					
Energy Source					
Natural Gas	100%	2044	* *	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 #: 13249

Mechanical	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
Heating						
Conversion Equipment						
Furnace	40%	2024	\$5,800	1	\$2,400	
	Other Observation, Extent: Light, Are	a Affected	: 40%			
	Location: Roof					
	Explanation: 2 Roof Top Package U					
Hot Water Boiler	60%	2037	* *	1	\$3,600	
	Other Observation, Extent: Light, Are	a Affected	: 60%			
	Location: 1st Floor Boiler Room					
	Explanation: 1 Unit					
Distribution	C00/	2022	* *	4	* 400	
Hot Wtr Piping/Pump	60%	2032	* *	4	\$400	
No Component	40%					
Terminal Devices	200/	2024	¢10.200	1	ф 2 2 00	
Air Handler	30%	2024	\$19,300	1	\$2,200	
Convector/Radiator	30%	2022	\$33,800	1	\$1,200	
No Component	40%					
Air Conditioning						
Energy Source Electricity	100%	2032	* *	1		
Conversion Equipment	100%	2032		1		
Int Pkg Unit -	40%	2022	\$95,000	2	\$300	
Heating/Cooling	4070	2022	\$93,000	2	\$300	
Treating/Cooming	R-22 Refrigerant, Extent: Light, Area	Affected :	40%			
	Location: 1st Floor Mechanical Roo		,0			
Ext Pkg Unit -	60%	2024	\$47,200	2	\$400	
Heating/Cooling	0070	2024	\$47,200	2	\$ 4 00	
Heating/Cooming	R-22 Refrigerant, Extent : Light, Area	Affected .	60%			
	Location: 2 Units On Roof	rijjecieu .	0070			
Ventilation	Zeeument 2 emms em neeg					
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$6,700	
Exhaust Fans					+ -,	
Interior	30%	2024	\$4,000	2	\$100	
Roof	70%	2024	\$6,600	2	\$300	
Plumbing			. ,		· · · ·	
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2019	\$2,800	2	\$200	
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: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : FORT HAMILTON BRANCH LIBRARY
Address : 9424 FOURTH AVE. @95TH STREET

Borough : BROOKLYN Agency's Number : 40

Area Sq Ft : 11,230 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 26-Feb-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 6114 Lot : 37 BIN : 3155499

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture		\$2,400	\$100	\$300
Interior Architecture		\$800	\$1,900	\$400
Electrical	\$1,000	\$1,000	\$1,300	\$1,200
Mechanical	\$1,200	\$700	\$1,800	\$700
Total	\$2,200	\$4,900	\$5,000	\$2,600
Importance Code A	\$600	\$2,900	\$700	\$800
Importance Code B	\$1,700	\$2,000	\$4,400	\$1,700
Importance Code C				
Total	\$2,200	\$4,900	\$5,000	\$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.

BROOKLYN PUBLIC LIBRARY - 038 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

rchitecture		Current Repair		Futur	Future Replacement		Maintenance	
ystem Component Type	% of I Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	* *	5	\$16,600	
Masonry: Brick	25%			LIFE	* *	5	\$6,400	
	Recent Con	struction,	Extent: Light, Are	a Affecte	ed : 100%			
	Location .	2011 Ad	dition					
Masonry: Limestone	5%			LIFE	* *	5	\$1,000	
Metal Panel	5%			2044	* *	5-10	\$8,800	
Windows								
Aluminum	98%			2046	* *	5	\$600	
	Recent Rep	lace Evide	ent, Extent : Light,	Area Affe	ected : 100%			
	Location:	Through	out					
Metal Louvers	2%			2033	* *	10	\$100	
Parapets							,	
Masonry: Brick	20%			LIFE	* *	5	\$200	
Metal Panel	5%			2050	* *	5	\$200	
No Component	75%							
Roof								
Built-Up (BUR)	30%			2024	\$22,700	10	\$5,000	
Modified Bitumen	30%			2032	* *	10	\$5,000	
	Recent Con Location .		Extent : Light, Are dition	a Affecte	ed : 100%			
Slate	40%			LIFE	* *			
terior								
Floors								
Ceramic Tile	5%			2037	* *	5	\$800	
Vinyl Tile	90%			2032	* *	3	\$5,700	
Wood	5%			2059	* *	5	\$1,600	
Interior Walls							•	
Ceramic Tile	5%			2037	* *	5	\$500	
Gypsum Board	25%			LIFE	* *	5	\$1,500	
Plaster	70%			LIFE	* *	5	\$2,100	
Ceilings								
AcousTileConcealSpLn	35%			2041	* *	5	\$700	
Exposed Struc: Steel	5%			LIFE	* *			
Gypsum Board	15%			LIFE	* *	5	\$300	
Plaster	30%			LIFE	* *	5	\$300	
Wood	15%			LIFE	* *	5	\$2,100	

Electrical	Currer	nt Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Years	te 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.

BROOKLYN PUBLIC LIBRARY - 038 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

Electrical	Current Re	Current Repair Future Repl		e Replacement	М	Maintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2050	* *	5		
	Other Observation, Exte	ent : Moderate, Ar	ea Affe	cted : 100%			
	Location: Basement	· C · I D ·	1 @ 10	0.4			
C . '4 . 1 / C . '4 . 1. 1 1	Explanation : Main Se	rvice Switch Kate	a @ 40	0 Amperes			
Switchgear / Switchboard Fused Disc Sw	100%		2050	* *	5		
Raceway							
Conduit	100%		2050	* *	1		
Panelboards							
Molded Case Bkrs	100%		2046	* *	5	\$300	
Wiring							
Thermoplastic	100%		2050	* *	1		
Motor Controllers							
Locally Mounted	100%		2041	* *	5	\$100	
Ground							
Grounding Devices					_		
Generic	100%		LIFE	* *	5	\$200	
Lighting							
Interior Lighting	5 00/		2022	* *	10	Φ.Ε. 200	
Fluorescent	50%	Fortend Madana	2032		10	\$5,200	
	T-8 Lamps And Fixtures, Extent: Moderate, Area Affected: 100%						
	Location: Basement						
Fluorescent	50%		2032	* *	10	\$5,200	
	Other Observation, Exte	ent : Moderate, Ar	ea Affe	cted : 100%			
	Location : 1st Floor						
	Explanation : Compac	t Fluorescent Lig	ht Fixtu	ires			
Egress Lighting	7.00 /		2022	* *	10	ф1 400	
Emergency, Battery	50%		2032	* *	10	\$1,400	
Exit, Service	50%		2032	* *	1		
Exterior Lighting	1000/		2032	* *	10		
HID A lawre	100%		2032		10		
Alarm Security System							
Generic	100%		2032	* *	1	\$4,200	
Generic		ent · Moderate Ar		cted · 100%	1	φ+,200	
	Other Observation, Extent : Moderate, Area Affected : 100% Location : Inside And Outside The Building						
	Explanation: C C T V		_				
Fire/Smoke Detection		The state of the s					
Generic	100%		2032	* *	1-3	\$6,900	
	Other Observation, Exte	ent : Moderate, Ar		cted : 100%	-	, -,	
	Location: Throughou		-				
	Explanation : Strobe 1	ights, Smoke Det	ectors, I	Manual Pull Statio	on And A	larm Bells	

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

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

BROOKLYN PUBLIC LIBRARY - 038 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

Mechanical	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	
Heating Energy Source Natural Gas	100% Now \$200 Other Observation, Extent: Severe, Ar Location: Basement Explanation: There Is No Air Vent In			1			
Conversion Equipment Furnace	65% Other Observation, Extent: Light, Are Location: Roof Explanation: 2 New Package Units	2032 a Affected	* *	1	\$3,600		
Hot Water Boiler	35% Other Observation, Extent: Light, Are Location: Basement Boiler Room Explanation: 1 Unit	2041 a Affected	**	1	\$1,900		
Distribution Hot Wtr Piping/Pump No Component	35% 65%	2046	* *	4	\$300		
Terminal Devices Convector/Radiator No Component	35% 65%	2041	* *	1	\$1,300		
Air Conditioning Energy Source Electricity	100%	2040	* *	1			
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%	2032	* *	2	\$700		
	R-134a Refrigerant, Extent: Light, Are Location: Roof Other Observation, Extent: Light, Are Location: Roof Explanation: 2 New Package Units						
Ventilation Distribution Ductwork/Diffusers	100%	LIFE	**	2-5	\$6,300		
Exhaust Fans Roof Plumbing	100%	2032	* *	2	\$300		
H/C Water Piping Brass/Copper	100%	2050	* *	1			
Water Heater Gas Fired	100%	2023	\$2,600	2	\$200		
Sanitary Piping Cast Iron Storm Drain Piping	100%	LIFE	* *	1			
Cast Iron Fixtures	100%	LIFE	* *	1			
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.

BROOKLYN PUBLIC LIBRARY - 038 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : KENSINGTON BRANCH LIBRARY
Address : 4211 18TH AVENUE @ SETON PL.

Borough : BROOKLYN Agency's Number : N/A
Program / Asset # : BPL0K43.000 / 14461 Yr Built/Renovated : 2010 /

Area Sq Ft : 19,897 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 08-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 5416 Lot : 14 BIN : 3801250

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$113,700	\$42,600
Total	\$113,700	\$42,600
Importance Code A	\$113,700	\$42,600
Total	\$113,700	\$42,600

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture			\$20,100	\$3,800
Interior Architecture			\$1,100	\$3,200
Electrical	\$1,300	\$1,300	\$1,800	\$1,800
Mechanical	\$5,300	\$1,700	\$7,500	\$1,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$10,600	\$7,000	\$34,500	\$14,400
Importance Code A	\$1,000	\$1,000	\$21,100	\$4,800
Importance Code B	\$9,600	\$6,000	\$13,400	\$9,600
Importance Code C				
Total	\$10,600	\$7,000	\$34,500	\$14,400



 $[\]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 #: 14461

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						_		
Concrete Masonry Unit	5%		T	LIFE	**	5	\$900	
			Extent : Light, Are	a Affecte	ed: 100%			
		: Through	out					
Metal Panel	80%			2050	* *	5-10	\$156,300	
Window Wall	15%			2050	* *	5	\$16,000	
Windows								
Aluminum	95%			2046	* *	5	\$5,700	
Metal Louvers	5%			2037	* *	10	\$1,900	
Parapets								
Masonry: Brick	85%			LIFE	* *	5	\$1,600	
Masonry: Limestone	10%			LIFE	* *	5	\$200	
Metal Rail	5%			2041	* *	5-10	\$1,700	
Roof								
Single Ply Membrane	80%			2032	* *	10	\$14,500	
Skylight, Metal/Glass	20%			2050	* *	10	\$12,100	
Interior								
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$3,300	
Ceramic Tile	5%			2037	* *	5	\$1,500	
Panel/Paver: Cer/Brk	5%			2046	* *	5	\$3,400	
Sheet Vinyl/Rubber	55%			2032	* *	5	\$24,600	
Vinyl Tile	30%			2032	* *	3	\$3,400	
Interior Walls								
Concrete Masonry Unit	5%			LIFE	* *	5	\$700	
Gypsum Board	80%			LIFE	* *	5	\$17,200	
Plaster	10%			LIFE	* *	5	\$1,100	
Wood	5%			LIFE	* *	5	\$7,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2041	* *	5	\$3,000	
Exposed Struc: Steel	5%			LIFE	* *			
Gypsum Board	45%			LIFE	* *	5	\$16,800	
Plaster	40%			LIFE	* *	5	\$7,400	

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

Maintenance \$ are aggregated over a 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 #: 14461

Electrical		Current F	Current Repair Future Replacement Maintenance					
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	50%			2050	* *	5		
			Extent : Moderate, A	Area Affe	ected : 100%			
		ı : Electrica						
	Explana	tion : One	1600 Amps Main D	isconnec	et Switch			
Fused Disc Sw	50%			2050	* *	5		
			Extent : Moderate, A	Area Affe	ected : 100%			
		ı : Electrica						
	Explana	tion : One	100 Amps Main Dis	sconnect	Switch For Emerg	ency		
Switchgear / Switchboard								
Fused Disc Sw	100%			2050	* *	5	\$100	
Raceway								
Conduit	100%			2050	* *	1		
Panelboards								
Fused Disc Sw	5%			2046	* *	5		
Molded Case Bkrs	95%			2046	* *	5	\$500	
Wiring								
Thermoplastic	100%			2050	* *	1		
Motor Controllers								
Locally Mounted	50%			2041	* *	5	\$100	
Motor Control Center	50%			2041	* *	5	\$300	
Ground								
Grounding Devices						_		
Generic	100%			LIFE	* *	5	\$300	
Lighting								
Interior Lighting	40						44.000	
Fluorescent	10%			2032	* *	10	\$1,800	
	_		res, Extent : Mode					
			, Lobby And Meetii	ng Room				
Fluorescent	90%			2032	* *	10	\$16,400	
	-		res, Extent : Mode	rate, Are	a Affected : 100%			
	Location	ı : Through	out The Building					
Egress Lighting								
Emergency, Battery	50%			2032	* *	10	\$2,400	
Exit, LED	50%			2059	* *	1		
Exterior Lighting								
HID	100%			2032	* *	10	\$100	
Alarm								
Security System								
No Component	70%							
Generic	30%			2032	* *	1	\$2,200	
Fire/Smoke Detection								
Generic	100%			2032	* *	1-3	\$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.

Asset #: 14461

Mechanical	Current Repair	Future Re	placement	Ma	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source	1000/	20.50	de de			
Natural Gas	100%	2050	* *	1		
Conversion Equipment	700/	2022	* *	1	¢< 000	
Furnace	70% Other Observation, Extent : L	2032		1	\$6,900	
	Location: 2 Are On Lower F					
	Explanation: 3 Package Un	-	O)			
Hot Water Boiler	30%	2041	* *	1	\$3,000	
Hot water boller	Other Observation, Extent : L			1	\$5,000	
	Location: Basement Boiler	= ==	70			
	Explanation: 2 Units	Acom				
Distribution	Explanation: 2 Onlis					
Hot Wtr Piping/Pump	30%	2046	* *	4	\$400	
No Component	70%	2010		•	Ψ100	
Terminal Devices						
Convector/Radiator	30%	2041	* *	1	\$1,900	
No Component	70%				, ,	
Air Conditioning						
Energy Source						
Electricity	100%	2046	* *	1		
Conversion Equipment						
Ext Pkg Unit -	100%	2032	* *	2	\$1,200	
Heating/Cooling						
	Other Observation, Extent : L					
	Location: 2 Are On Lower F	-	of			
	Explanation : 3 Package Un	its				
Heat Rejection				_		
Air Condenser Unit	100%	2032	**	2	\$13,900	
	Other Observation, Extent : L	ight, Area Affected : 10	0%			
	Location: Higher Roof					
Vantilation	Explanation: 3 Units					
Ventilation Distribution						
Distribution Ductwork/Diffusers	100%	LIFE	* *	2-5	\$11,100	
Exhaust Fans	100/0	LII L		2-3	ψ11,100	
Roof	100%	2032	* *	2	\$600	
Plumbing	100/0	2032			ΨΟΟΟ	
H/C Water Piping						
Brass/Copper	100%	2050	* *	1		
Water Heater						
Gas Fired	100%	2023	\$4,600	2	\$300	
Sanitary Piping			. , -			
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sewage Ejector(s)						
Electric	100%	2032	* *	4	\$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.

Asset #: 14461

Mechanical	Current Repair	Future Repla	cement	Maintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estima FY		ycle Estimated Cost Yrs)	Priority
Plumbing					
Backflow Preventer					
Generic	100%	2032	* *	1 \$1,200	
Fixtures					
Generic	100%				
Vertical Transport Elevators					
Hydraulic	100%	LIFE	* *		
•	Other Observation, Extent : Lig	ht, Area Affected : 100%			
	Location: B, 1, 2				
	Explanation: 1 Unit				
Fire Suppression Sprinkler					
Generic	100%	2050	** 1	-2 \$5,600	

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : KINGS BAY BRANCH LIBRARY

Address : 3650 NOSTRAND AVE. NEAR AVENUE W

Borough : BROOKLYN Agency's Number : 44

Area Sq Ft : 14,885 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1

Block : 7405 Lot : 920 BIN : 3202630

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture Electrical	\$139,100	\$150,600 \$45,800
Total	\$139,100	\$196,500
Importance Code A Importance Code B	\$139,100	\$150,600 \$45,800
Total	\$139,100	\$196,500

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$2,400			
Interior Architecture	\$1,000		\$2,700	
Electrical	\$400	\$15,400	\$600	\$400
Mechanical	\$700	\$3,100	\$2,700	\$3,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$8,500	\$22,500	\$9,900	\$7,500
Importance Code A	\$3,100	\$800	\$700	\$700
Importance Code B	\$5,400	\$21,700	\$9,100	\$6,700
Importance Code C				
Total	\$8,500	\$22,500	\$9,900	\$7,500



 $[\]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 #: 13254

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						_		
Masonry: Brick	25%			LIFE	* *	5	\$5,800	
Masonry: Brick	70%	0-2	\$48,800	LIFE	**	5	\$16,300	
			d, Extent : Moderat outh And East Face		Affected : 40%			
		Extent : Mo ı : Through	derate, Area Affect out	ed : 10%	ó			
Masonry: Granite	5%			LIFE	* *	5	\$900	
Windows								
Aluminum	70%	0-2	\$2,400	2032	* *	5	\$300	
			xtent : Moderate, A cade, Staff Work Ro		cted : 30%			
Glass Block	30%			LIFE	* *	5	\$200	
Roof								
Modified Bitumen	Location Water Pen	Extent : Mod 1 : Through	xtent : Severe, Ared					1
terior								
Floors								
Ceramic Tile	5%			2033	* *	5	\$1,100	
Vinyl Tile	95%			2029	* *	3	\$8,000	
Interior Walls								
Gypsum Board	100%			LIFE	* *	5	\$4,500	
Ceilings								
AcousTileSusp.Lay-In	90%			2037	* *	5	\$20,200	
Gypsum Board		netration, E	\$500 Extent : Moderate, A de At Mezzanine Be			5	\$2,800	

lectrical	Current Repair	Future Repl	acement	M	aintenance	
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estin	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	* *	5	\$100	
	Other Observation, Extent : Moderate,	Area Affected :	100%			
	Location : Electrical Room					
	Explanation: 2-400 Amps					
Switchgear / Switchboard						
Molded Case Bkrs	100%	2044	* *	5	\$400	
Raceway						
Conduit	100%	2044	* *	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 #: 13254

Electrical	Current Repair	Future Replaceme	ent N	Maintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Estimated (FY	Cost Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts		<u> </u>			
Panelboards					
Fused Disc Sw	2%	2040	** 5		
Molded Case Bkrs	98%	2040	* * 5	\$400	
Wiring					
Thermoplastic	100%	2044	* * 1		
Motor Controllers					
Locally Mounted	100%	2037	* * 5	\$100	
Ground					
Grounding Devices					
Generic	100%	LIFE	* * 5	\$200	
	Other Observation, Extent: Moder	ate, Area Affected : 100%			
	Location: Basement				
	Explanation : Water Main				
Lighting					
Interior Lighting					
Fluorescent	95%	2029	* * 10	\$13,000	
	Other Observation, Extent: Moder	•••			
	Location : Throughout The Buildi	ng			
	Explanation: T-8 Lamps				
HID	5%	2029	** 10		
Egress Lighting					
Emergency, Battery	50%	2029	* * 10	\$1,800	
Exit, Service	50%	2029	* * 1		
Exterior Lighting					
HID	100%	2029	** 10		
Alarm					
Security System					
No Component	80%				
Generic	20%	2024 \$8,	900 1	\$1,100	
Fire/Smoke Detection					
No Component	70%				
Generic	30%	2024 \$45,	800 1-3	\$2,800	

Mechanical	Current Repair	Future	Replacement	M		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year l FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eating			_			
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Furnace	100%	2029	* *	1	\$7,400	
	Other Observation, Extent : Light, Area	Affected:	100%			
	Location: Roof					
	Explanation: 2 Package Units					

Air Conditioning

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

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

Asset #: 13254

Mechanical	Current Re	epair	Future R	Replacement	M	aintenance	
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%		2029	* *	2	\$900	
ricating Cooming	R-22 Refrigerant, Extended Location: Roof	nt : Light, Area A	ffected : 100	0%			
	Other Observation, Ext Location : Roof	tent : Light, Area	Affected : 1	00%			
	Explanation: 2 Pack	age Units					
Heat Rejection							
Air Condenser Unit	100%		2029	* *	2	\$10,400	
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$8,300	
Exhaust Fans							
Roof	100%		2029	* *	2	\$500	
Plumbing H/C Water Pinion							
H/C Water Piping Brass/Copper	100%		2044	* *	1		
Water Heater	10070		2044		1		
Electric	100%		2023	\$2,300	4	\$100	
Sanitary Piping	10070		2023	Ψ2,300	•	Ψ100	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Sewage Ejector(s)							
Electric	100%		2024	\$11,000	4	\$1,600	
	Other Observation, Ext	tent : Light, Area	Affected: 1	00%			
	Location: Basement	Mechanical Equi	pment Roon	n			
	Explanation: 1 Unit						
Fixtures							
Generic	100%						
Vertical Transport							
Elevators	1000/						
Hydraulic	100%	4 a 4	LIFE	**			
	Other Observation, Ext Location: B, 1, 2	tent : Light, Area	Affected: I	00%			
	Explanation: 1 Unit						

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : KINGS HIGHWAY BRANCH LIBRARY
Address : 2115 OCEAN AVE. @KINGS HIGHWAY

Borough : BROOKLYN Agency's Number : 45

Area Sq Ft : 23,822 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 12-Oct-2012 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 6783 Lot : 68 BIN : 3182576

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$89,100	
Interior Architecture	\$43,200	
Mechanical		\$282,100
Total	\$132,300	\$282,100
Importance Code A	\$89,100	
Importance Code B		\$282,100
Importance Code C	\$43,200	
Total	\$132,300	\$282,100

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$34,500	\$5,400	\$2,300	
Interior Architecture	\$20,400		\$3,600	
Electrical	\$700	\$700	\$900	\$1,100
Mechanical	\$4,500	\$4,800	\$5,300	\$5,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$64,000	\$14,800	\$16,000	\$10,600
Importance Code A	\$35,600	\$6,500	\$3,500	\$1,200
Importance Code B	\$28,300	\$8,200	\$12,500	\$9,400
Importance Code C				
Total	\$64,000	\$14.800	\$16,000	\$10,600



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.

Asset #: 4206

Architecture		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
xterior								
Exterior Walls								
Masonry: Brick	90%	0-2	\$89,100	LIFE	* *	5	\$29,800	
			d, Extent : Moderat	e, Area A	Affected : 20%			
		: Through		A CC . 1	50/			
			Extent : Light, Area		: 5%			
		i : Kiicnen	And Office In Base		di di		4=00	
Masonry: Limestone	2%			LIFE	* *	5	\$500	
Metal Panel	5%			2044	* *	5-10	\$11,400	
Window Wall	3%			2044	* *	5	\$3,700	
Windows Aluminum	100%			2040	* *	5	\$4,600	
Parapets	100%			2040			\$4,000	
Masonry: Brick	80%	Now	\$18,100	LIFE	* *	5	\$3,200	
Wasoin y. Brick			d, Extent : Moderat		Affected: 15%	3	Ψ3,200	
		ı : Through		,	2), 001000 1 10 7 0			
			derate, Area Affect	ted : 10%	Ó			
	-	ı : Through						
		_	: Moderate, Area	Affected	: 5%			
		ı : Through		33				
Masonry: Limestone	15%	0-2	\$3,100	LIFE	* *	5	\$700	
111430111.51 21111.6300110			Extent : Light, Are		ed : 10%		Ψ, σσ	
		ı : Through						
Metal Panel	5%			2044	* *	5	\$800	
Roof								
Modified Bitumen	100%	Now	\$13,200	2029	* *			
		aged Flash 1 : Over Fii	iings, Extent : Mod est Floor	erate, Ar	ea Affected : 5%			
	Patching 1	Evident, Ex	tent : Light, Area A	ffected :	5%			
	Location	ı : Through	out					
	Water Per	netration, E	Extent : Moderate, A	Area Affe	cted : 10%			
	Location	ı : Through	out					
nterior								
Floors								
Cast in Place Concrete	10%			LIFE	* *	5	\$7,800	
Ceramic Tile	5%	4+	\$3,400	2033	* *	5	\$900	
			: Moderate, Area	Affected	: 5%			
		ı : Public B						
Terrazzo	5%		\$4,100	LIFE	* *	5	\$1,400	
	_	_	ght, Area Affected :					
		=	Door On First Floo					
			Extent : Light, Area		: 10%			
		-	Door On First Floo			n ·	i ari i	
		tion : Wate	r Penetrates From					
Vinyl Tile	80%			2029	* *	3	\$10,700	

 $[\]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 #: 4206

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								
Glass: Single Pane	5%			LIFE	* *	5	\$2,100	
Gypsum Board	20%			LIFE	* *	5	\$6,800	
Masonry: Fieldstone	5%			LIFE	* *			
Plaster	50%			LIFE	* *	5	\$8,400	
SGFT/Glazed Masonry	20%	0-2	\$43,200	LIFE	* *			
·	Water Pen	etration, E	xtent : Moderate, A	rea Affe	cted : 10%			
	Location	: Kitchen	And Office In Bases	ment				
Ceilings								
AcousTileSusp.Lay-In	45%	Now	\$12,900	2037	* *	5	\$8,000	
	Staining/L	iscoloring,	Extent : Moderate	, Area Aj	ffected : 20%			
	Location	: Through	out					
	Water Pen	etration, E	xtent : Moderate, A	rea Affe	cted : 10%			
	Location	: 2nd Floo	or By Stair B, Audit	orium, B	asement By Elevat	or And E	Elevator Room	
Exposed Concrete	25%			LIFE	* *	5	\$1,400	
Plaster	25%			LIFE	* *	5	\$5,600	
Wood	5%			LIFE	* *	5	\$15,600	

Electrical	Current Repair	Future Repla	acement	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2050	* *	5	\$100	
	Other Observation, Extent: Mode	rate, Area Affected : 1	00%			
	Location : Electrical Room					
	Explanation: One 1200 Amps M	ain Disconnect Switch	h			
Switchgear / Switchboard						
Fused Disc Sw	100%	2050	* *	5	\$100	
Raceway						
Conduit	100%	2054	* *	1		
Panelboards						
Fused Disc Sw	5%	2046	* *	5		
Molded Case Bkrs	95%	2046	* *	5	\$600	
Wiring						
Thermoplastic	100%	2054	* *	1		
Motor Controllers						
Locally Mounted	100%	2041	* *	5	\$200	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$400	
	Other Observation, Extent : Mode	rate, Area Affected : 1	00%			
	Location: Basement					
	Explanation : Water Main					

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.

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

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

Asset #: 4206

Electrical	Current Re	pair Futu	Future Replacement Maintenance		aintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	85%	2034	* *	10	\$18,600	
	Other Observation, Exte	ent : Moderate, Area Af	fected : 100%			
	Location: Throughou	t				
	Explanation: Using T	-8 Lamps				
Fluorescent	15%	2034	* *	10	\$3,300	
	Other Observation, Extent : Moderate, Area Affected : 100%					
	Location: Throughou	t				
	Explanation: Using T	-5 Lamps				
Egress Lighting						
Emergency, Service	50%	2034	* *	1		
Exit, Service	50%	2034	**	1		
Exterior Lighting						
HID	100%	2034	**	10	\$100	
Alarm						
Security System						
No Component	70%					
Generic	30%	2032	**	1	\$2,700	
Fire/Smoke Detection						
No Component	70%					
Generic	30%	2032	**	1-3	\$4,400	

Mechanical	Current	Current Repair		e Replacement	Ma		
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Natural Gas	100%		2044	* *	1		
Conversion Equipment							
Hot Water Boiler	100%		2037	* *	1	\$11,800	
	Other Observation,	Extent : Light, Area	Affected	: 100%			
	Location: Baseme	ent Boiler Room					
	Explanation: 2 Un	nits					
Distribution							
Hot Wtr Piping/Pump	100%		2040	* *	4	\$1,200	
Terminal Devices							
Air Handler	40%		2029	* *	1	\$5,900	
Convector/Radiator	60%		2037	* *	1	\$4,600	
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	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.

Asset #: 4206

Mechanical	Current F	Current Repair		Future Replacement Maintenance		aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning	•						
Conversion Equipment Int Pkg Unit - Heating/Cooling	60%		2025	\$282,100	2	\$900	
Heating/Cooling	R-22 Refrigerant, Ext Location: Penthous		, .	60%			
Exterior Pkg Unit - Cooling	40%		2029	* *	2	\$600	
	R-22 Refrigerant, Ext Location : Roof	ent : Light, Area A	ffected :	40%			
Heat Rejection							
Air Condenser Unit No Component	60% 40%		2029	* *	2	\$10,000	
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$13,300	
Exhaust Fans							
Interior	95%		2032	* *	2	\$700	
Roof	5%		2029	* *	2		
Plumbing							
H/C Water Piping	1000/		2011	ale ale			
Brass/Copper	100%		2044	* *	1		
Water Heater Gas Fired	100%		2022	\$5,500	2	\$300	
	100%		2022	\$3,300	2	\$300	
Sanitary Piping Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	10070		LII L				
Cast Iron	100% 0-2	\$1,600	LIFE	* *	1		
Cust non	Other Observation, E. Location : South Ex.	xtent : Moderate, A		cted : 5%	-		
	Explanation : Sewas	ge Piping Is Under	Sized Co	ausing Water To B	ackup W	hen It Rains	
Sewage Ejector(s)							
Electric	100%		2029	* *	4	\$1,600	
Backflow Preventer							
Generic	100%		2029	* *	1	\$1,500	
Fixtures							
Generic	100%						
Vertical Transport							
Elevators	100%		LIFE	* *			
Hydraulic	Other Observation, E. Location: B-2	xtent : Light, Area					
	Explanation: 1 Unit	t					
Fire Suppression		-					
Sprinkler							
No Component	70%						
Generic	30%		2044	* *	1-2	\$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.

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : LEONARD BRANCH LIBRARY Address : 81 DEVOE ST. @LEONARD ST.

Borough : BROOKLYN Agency's Number : 46

Area Sq Ft : 10,688 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 01-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 2762 Lot : 21 BIN : 3068818

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$178,300	
Interior Architecture		\$110,400
Electrical	\$10,600	
Mechanical	\$144,200	\$113,200
Total	\$333,100	\$223,600
Importance Code A	\$178,300	
Importance Code B	\$154,800	\$223,600
Total	\$333,100	\$223,600

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$52,400	\$9,200		
Interior Architecture	\$20,800			\$1,600
Electrical	\$36,700	\$10,500	\$1,200	\$1,000
Mechanical	\$2,200	\$41,000	\$3,000	\$3,700
Total	\$112,100	\$60,600	\$4,200	\$6,400
Importance Code A	\$52,900	\$9,700	\$500	\$500
Importance Code B	\$58,500	\$50,900	\$3,700	\$5,800
Importance Code C	\$700			
Total	\$112,100	\$60,600	\$4,200	\$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.

BROOKLYN PUBLIC LIBRARY - 038 LEONARD BRANCH LIBRARY

Asset #: 13255

rchitecture	Current Rep	air Fu	ture Replacemer	nt M	aintenance	
ystem Component Type	% of Fail Date Es Total (Years)	stimated Cost Ye	ar Estimated C Y	ost Cycle (Yrs)	Estimated Cost	Priority
xterior						
Exterior Walls Cast Stone/Terra Cotta	5% 0-2 Cracking/Crumbling, Ex. Location: Throughout		·L	** 5	\$8,100	
Masonry: Brick	90% 0-2 Jnt Mortar Miss/Erod, E. Location: Throughout Spalling, Extent: Modern Location: Throughout		ea Affected : 30%	** 5	\$18,600	
Masonry: Limestone	5% 0-2 Cracking/Crumbling, Ex. Location: Building Ba.		'L	* * 5	\$800	
Windows	U					
Aluminum	90% Now Ctrwt/Balnc Not Funct, I Location: Throughout Deteriorated Finish, Extending Control of the Control of		rea Affected : 50%	** 5	\$800	
Steel	10% Now Corrosion/Rusting, Exter Location: Basement Thermally Inefficient, Ex Location: Basement Unit Inoperable, Extent: Location: Basement	tent : Moderate, Are	Affected : 50% a Affected : 50%	** 5	\$1,100	
Parapets						
Masonry: Limestone	15% Now Caulking Deteriorated, E Location: Over Main E			** 5	\$200	
Metal Rail No Component	5% 80%	20	29	** 5-10	\$1,000	
Roof Modified Bitumen Slate	50% 50% Now Gut/DS Non Func/Miss, Location: Throughout	20 \$14,400 LII Extent : Moderate, A	Æ	* * 10 * *	\$8,600	
terior						
Floors Cast in Place Concrete Ceramic Tile	10% 5% 10% Now	LII 20 \$3,900 20	27 \$14,8		\$3,400 \$800 \$600	
Vinyl Tile						
	Loose Units, Extent: Mo Location: Basement Poor Subfloor Evident, E Location: Basement	derate, Area Affecte	d : 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.

BROOKLYN PUBLIC LIBRARY - 038 LEONARD BRANCH LIBRARY

Asset #: 13255

Architecture		Current Repair		Futur	Future Replacement Maintenance		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%			2033	* *	5	\$700	
Concrete Masonry Unit	10%			LIFE	* *	5	\$600	
Masonry: Brick	10%			LIFE	* *			
Plaster	70%			LIFE	* *	5	\$3,100	
Plaster	5%	Now	\$300	LIFE	* *	5	\$200	
		_	: Severe, Area Affe	ected : 59	%			
	Location	: Meeting	Room					
	Water Pen	etration, E	xtent : Severe, Ared	ı Affecte	d : 5%			
	Location	: Basemen	t					
Ceilings								
AcousTileConcealSpLn	60%	0-2	\$14,800	2037	* *	5	\$5,800	
	_	Crumbling, 1 : Meeting	Extent : Moderate Room	, Area Aj	ffected : 10%			
		-	e, Extent : Moderate oor, Basement	e, Area A	ffected : 20%			
	Staining/L	oiscoloring,	Extent : Moderate	, Area A	ffected : 20%			
	_	: First Flo		·				
Exposed Concrete	20%			LIFE	* *	5	\$500	
Plaster	20%			LIFE	* *	5	\$1,900	

lectrical		Current Repair		Futur	e Replacement	M	aintenance	
ystem Component Type	% of Total	Fail Date Estin (Years)	ated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$1,500	5		
	Other Obse	ervation, Extent :	Moderate, A	Area Affe	ected : 100%			
	Location	: Electrical Roon	ı					
	Explanat	ion : Main Servic	e Switch Rai	ted @ 40	00 Amperes			
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$32,000	5	\$300	
Raceway								
Conduit	95%			2024	\$29,500	1		
Conduit	5%			2044	* *	1		
Panelboards								
Fused Disc Sw	5%			2023	\$700	5		
Molded Case Bkrs	95%			2023	\$14,100	5	\$300	
Wiring								
Braided Cloth	95%	2-4	\$26,100	2049	* *	1		
	Insulation 1	Aged, Extent : Mo	oderate, Are	a Affecte	ed : 100%			
	Location	: Throughout The	Building					
Thermoplastic	5%			2044	* *	1		
Motor Controllers				•	_			•
Locally Mounted	100%			2029	* *	5	\$100	

Ground

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

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

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

Asset #: 13255

Electrical	Current Repair	Future R	eplacement	M	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Es FY	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground						
Grounding Devices						
Generic	100% 2-4 \$9,	400 LIFE	* *	5	\$200	
	Other Observation, Extent: Mode	rate, Area Affected	d: 100%			
	Location : Main Water Pipe					
	Explanation: Corroded					
Lighting						
Interior Lighting						
Fluorescent	90%	2032	**	10	\$8,800	
	T-8 Lamps And Fixtures, Extent:		fected : 100%			
	Location: Throughout The Build					
Fluorescent	10%	2019	\$10,600	10	\$1,000	
	T-12 Lamps And Fixtures, Extent	: Moderate, Area A	Affected : 100%	<u> </u>		
	Location: Book Shelves Area					
Egress Lighting						
Emergency, Battery	50%	2029	* *	10	\$1,300	
Exit, Service	50%	2029	* *	1		
Exterior Lighting						
Fluorescent	20%	2019	\$6,800	10	\$200	
	Other Observation, Extent: Mode		d: 100%			
	Location: Front Of The Building					
	Explanation: CFL Lamps In U					
HID	80%	2024	\$32,000	10		
Alarm						
Security System						
Generic	100%	2032	**	1	\$4,000	
	Other Observation, Extent : Mode		1: 100%			
	Location : Throughout The Build					
	Explanation : C C T V Surveilla	ınce Cameras				
Fire/Smoke Detection	100-1		_		.	
Generic	100%	2032	**	1-3	\$6,600	
	Other Observation, Extent: Mode		d: 100%			
	Location: Throughout The Build					
	Explanation : Smoke Detectors,	Manual Pull Static	on, Strobe Ligh	ts		

Mechanical	Current Repair	Future Replacement N			aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
leating						
Energy Source						
Natural Gas	100%	2034	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2022	\$23,800	1	\$5,300	
	Other Observation, Extent : Light, Area	Affected	! : 100%			
	Location: Basement Boiler Room					
	Explanation: 1 Unit					

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

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

Mechanical		Current 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
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2023	\$53,200	4	\$800	
Terminal Devices								
Air Handler	40%			2019	\$22,800	1	\$2,600	
Convector/Radiator	60%			2022	\$60,000	1	\$2,100	
Air Conditioning Energy Source								
Electricity	100%			2032	* *	1		
Conversion Equipment Reciprocating Compr/Chiller	100%			2019	\$35,900	1	\$5,000	
-	R-22 Refri	gerant, Ext	tent : Light, Area A	ffected :	100%			
	Location	: Basemen	t					
Terminal Devices Air Handler/Cool/Ht	100%			2019	\$45,000	1	\$6,600	
Heat Rejection								
Remote Air Cond	100%			2019	\$63,300	2	\$7,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,000	
Exhaust Fans								
Interior	100%			2019	\$11,700	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	* *	1		
Water Heater		·						
Gas Fired	100%			2019	\$2,500	2	\$200	
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.

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : MACON BRANCH LIBRARY
Address : 361 LEWIS AVE. @ MACON ST.

Borough : BROOKLYN Agency's Number : 47

Area Sq Ft : 12,960 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 14-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 1665 Lot : 1 BIN : 3046408

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$199,900	<u>.</u>
Total	\$199,900	
Importance Code A	\$199,900	
Total	\$199,900	

Total	\$62,700	\$12,900	\$16,200	\$7,100
Importance Code C	\$600			
Importance Code B	\$5,900	\$12,300	\$7,700	\$6,500
Importance Code A	\$56,200	\$600	\$8,500	\$600
Total	\$62,700	\$12,900	\$16,200	\$7,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$1,300	\$1,300	\$2,600	\$2,100
Electrical	\$900	\$900	\$1,200	\$1,100
Interior Architecture	\$1,000	\$6,800	\$600	
Exterior Architecture	\$55,600		\$7,800	
EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021



Maintenance \$ are aggregated over a 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 #: 13256

Architecture	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	Priorit
xterior							
Exterior Walls					_		
Masonry: Brick	85% Now Spalling, Extent: Lig Location: Through Worn/Eroded, Extent Location: Through	out : Moderate, Area 1		* *	5	\$10,600	
Masanny Limostona	15% Now	\$22,500	LIFE	* *	5	\$1,400	
Masonry: Limestone	Cracking/Crumbling Location: South For Staining/Discoloring Location: Cornice	, Extent : Moderate acade	, Area A <u>j</u>	fected : 5%	3	\$1,400	
Windows							
Aluminum	60%		2040	* *	5	\$2,000	
Wood	40%		2040	* *	5	\$13,700	
Parapets Masonry: Brick	50% Now Cracking/Crumbling Location: Through	out			5	\$1,900	
Masonry: Limestone	Spalling, Extent: Mo Location: Through Worn/Eroded, Extend Location: Through 50% Now	out : Moderate, Area A out \$60,000	Affected .	**	5	\$2,400	
	Staining/Discoloring Location: Through Worn/Eroded, Extend Location: Through	out t : Light, Area Affec					
Roof							
Metal Panel	5%		2037	* *	10	\$1,700	
Modified Bitumen	25%		2024	\$27,500	10	\$4,800	
Slate	70% Now Broken/Missing Elen Location: East Side Cracking/Crumbling Location: East Side Water Penetration, E Location: Various	e Of Roof , Extent : Moderate e Of Roof Extent : Moderate, A	, Area A <u>j</u> Area Affe	ffected : 5%			
terior				-			
Floors							
Cast in Place Concrete	5%		LIFE	* *	5	\$1,800	
Ceramic Tile	5%		2033	* *	5	\$800	
Dan a1/Danam Can/Dala	5%		2032	* *	5	\$1,900	
Panel/Paver: Cer/Brk							
Sheet Vinyl/Rubber Vinyl Tile	55% 30%		2029 2029	* *	5 3	\$13,600 \$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 #: 13256

Architecture	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
Interior							
Interior Walls							
Ceramic Tile	5%		2033	* *	5	\$1,100	
Gypsum Board	30%		LIFE	* *	5	\$4,000	
Plaster	50%		LIFE	* *	5	\$3,300	
	Staining/Discoloring	, Extent : Moderate	Area A	ffected : 15%			
	Location : Stairway	,					
Wood	15%		LIFE	* *	5	\$13,400	
Ceilings							
AcousTileSusp.Lay-In	25%		2037	* *	5	\$4,100	
Gypsum Board	10%		LIFE	* *	5	\$2,100	
Plaster	65%		LIFE	* *	5	\$6,700	

Electrical	Cur	rent Repair	Futur	e Replacement	M	aintenance	
System Component Type		Date Estimated Cost ears)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Air Circuit Breaker	100%		2050	**	5	\$100	
		ion, Extent : Moderate, A	Area Affe	ected : 100%			
	Location : Ele						
	Explanation :	One 800 Amps Main Dis	connect	Switch			
Switchgear / Switchboard							
Air Circuit Breaker	100%		2050	* *	5	\$100	
Raceway							
Conduit	100%		2050	* *	1		
Panelboards							
Fused Disc Sw	5%		2046	* *	5		
Molded Case Bkrs	95%		2046	* *	5	\$300	
Wiring							
Thermoplastic	100%		2050	* *	1		
Motor Controllers							
Locally Mounted	100%		2041	* *	5	\$100	
Ground							
Grounding Devices							
Generic	100%		LIFE	* *	5	\$200	
Lighting							
Interior Lighting	• 0 - 1						
Fluorescent	30%		2032	* *	10	\$3,600	
		ion, Extent : Moderate, A	Area Affe	ected : 100%			
		roughout The Building					
	Explanation:	T-8 Lamps					
Fluorescent	70%		2032	* *	10	\$8,300	
	T-5 Lamps And	Fixtures, Extent: Moder	ate, Are	a Affected : 100%			
	Location: The	roughout The Building					

Maintenance \$ are aggregated over a 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 #: 13256

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
Lighting								
Egress Lighting								
Emergency, Battery	50%			2032	* *	10	\$1,600	
Exit, LED	50%			2059	* *	1		
Exterior Lighting								
HID	100%			2032	* *	10		
Alarm								
Security System								
No Component	70%							
Generic	30%			2032	* *	1	\$1,500	
Fire/Smoke Detection								
Generic	100%			2032	* *	1-3	\$8,000	

Mechanical	Current Repair	Future	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%	2050	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2037	* *	1	\$6,400	
	Other Observation, Extent	Light, Area Affected	: 100%			
	Location: Basement Boil	er Room				
	Explanation: 2 Gas Fired	d Modular Hot Water .	Boilers			
Distribution						
Hot Wtr Piping/Pump	100%	2040	* *	4	\$600	
Terminal Devices						
Air Handler	50%	2029	* *	1	\$4,000	
Convector/Radiator	50%	2037	* *	1	\$2,100	
Air Conditioning						
Energy Source						
Electricity	100%	2046	* *	1		
Conversion Equipment						
Split Unit	100%	2029	* *			
Terminal Devices						
Direct Expansion	40%	2029	* *	1		
	Other Observation, Extent	Light, Area Affected	: 100%			
	Location: Basement Med	hanical Equipment Ro	ooms			
	Explanation: Electric Du	ct Heater In Duct Wor	rk			
No Component	60%					
Heat Rejection						
Not Accessible	100%					
Ventilation						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$7,200	
Exhaust Fans						
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.

Mechanical	Current Repa	air Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Es Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2050	* *	1		
Water Heater						
Gas Fired	100%	2022	\$3,000	2	\$200	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Rigid Piping	100%	2029	* *	4	\$1,600	
Backflow Preventer						
No Component	80%					
Generic	20%	2029	* *	1	\$200	
	Other Observation, Exten	ıt : Light, Area Affected	: 20%			
	Location: Basement Bo	oiler Room				
	Explanation : Boiler Or	ıly				
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Exten		: 100%			
	Location: B, St, 1, Mez					
	Explanation : One Unit					

Page: 116

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : MAPLETON BRANCH LIBRARY
Address : 1702 60TH ST. @17TH AVENUE

Borough : BROOKLYN Agency's Number : 49

Area Sq Ft : 19,821 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 06-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 5518 Lot : 4 BIN : 3132091

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$369,800	_
Interior Architecture		\$73,000
Mechanical		\$252,900
Total	\$369,800	\$325,900
Importance Code A	\$369,800	
Importance Code B		\$325,900
Total	\$369,800	\$325,900

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture			\$1,900	
Interior Architecture	\$18,400		\$296,200	\$1,100
Electrical	\$1,600	\$21,600	\$2,000	\$1,600
Mechanical	\$2,300	\$1,800	\$3,500	\$1,800
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$26,300	\$27,400	\$307,500	\$8,500
Importance Code A	\$1,000	\$1,000	\$2,900	\$1,000
Importance Code A Importance Code B	\$1,000 \$25,000	\$1,000 \$26,300	\$2,900 \$304,600	\$1,000 \$7,500
•	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 #: 13257

chitecture		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
erior								
Exterior Walls								
Masonry: Brick	95%		\$67,600	LIFE	* *	5	\$22,600	
		netration, Ex n : Bulkhead	tent : Light, Area	Affected	: 10%			
Masonry: Limestone	5%			LIFE	* *	5	\$900	
Windows								
Aluminum	100%			2040	* *	5	\$3,800	
Parapets								
Masonry: Brick			\$220,400 Extent : Moderan s	LIFE te, Area A	* * Affected : 5%	5	\$3,900	
	_	ed/Bulging, E n : Bulkhead	Extent : Moderate, s	Area Afj	fected : 5%			
			tent : Severe, Are ocations Through		d : 40%			
	Location	n : Througho						
	Explana	tion : Cover	ed In Black Tarp '	Го Кеер .	Rain Water Out			
Masonry: Limestone	Jnt Morta	Now or Miss/Erod, n : Coping A	\$44,400 Extent : Moderant t Chimney	LIFE te, Area A	* * Affected : 10%	5	\$500	
	Water Per		tent : Severe, Are	a Affecte	d : 30%			
		servation, Ex n : Througho	tent : Severe, Are ut	a Affecte	d : 100%			
		_	ed In Tarp To Kee	p Rain V	Vater Out			
Roof								
Modified Bitumen	100%	Now	\$37,500	2029	* *			
		Extent : Mode n : Througho	erate, Area Affecto ut	ed : 30%				
	_	Extent : Ligh n : Througho	nt, Area Affected : ut	10%				
	Water Per	netration, Ex	tent : Moderate, A r Adjacent To Elev		cted : 5%			

Interior

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

Asset #: 13257

rchitecture	Current Repair		Futur	Future Replacement		Maintenance		
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior								
Floors	< = 0.4			2020	\$204.000	2	Ф22 000	
Carpet	65%			2020	\$284,900	3	\$33,800	
			: Moderate, Area	Affected	: 20%			
		: 2nd Floo	or					
Cast in Place Concrete	5%			LIFE	* *	5	\$3,800	
Ceramic Tile	2%	4+	\$2,700	2033	* *	5	\$300	
			l, Extent : Moderat	e, Area 1	Affected : 20%			
		: Bathrooi						
			: Moderate, Area	Affected	: 15%			
	Location	: Bathrooi	ms					
Terrazzo	3%			LIFE	* *	5	\$800	
Vinyl Tile	25%	4+	\$14,600	2024	\$73,000	3	\$3,200	
	Loose Units, Extent : Moderate, Area Affected : 40%							
	Location	: Basemen	t					
Interior Walls								
Ceramic Tile	3%			2033	* *	5	\$600	
Concrete Masonry Unit	25%			LIFE	* *	5	\$2,000	
Glass: Single Pane	2%			LIFE	* *	5	\$300	
Gypsum Board	50%			LIFE	* *	5	\$5,900	
Marble Panels	5%			LIFE	* *			
Plaster	15%			LIFE	* *	5	\$900	
	-		nt, Extent : Light, A		cted : 10%			
	Location	: Second I	Floor Meeting Room	n				
Ceilings								
AcousTileSusp.Lay-In	90%			2037	* *	5	\$31,200	
Exposed Concrete	5%			LIFE	* *	5	\$300	
Gypsum Board	5%	Now	\$900	LIFE	* *	5	\$2,200	
			xtent : Moderate, A	00	cted : 10%			
	Location	: Above W	indows On 2nd Flo	oor				

ectrical	Current Repair	Future Replacement	M	aintenance	
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
der 600 Volts					
Service Equipment					
Fused Disc Sw	100%	2034 * *	5	\$100	
	Other Observation, Extent: Moderate,	Area Affected : 100%			
	Location: Electrical Room				
	Explanation: One 800 Amps Main D	isconnect Switch			
Switchgear / Switchboard	•				
Fused Disc Sw	50%	2034 **	5		
Molded Case Bkrs	50%	2034 **	5	\$300	
Raceway					
Conduit	100%	2034 **	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 #: 13257

Current Repai	r Future Repla	Future Replacement		Maintenance	
% of Fail Date Esti Total (Years)	mated Cost Year Estima FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
5%	2032	* *	5		
95%	2032	* *	5	\$500	
100%	2034	* *	1		
100%	2029	* *	5	\$100	
100%	LIFE	* *	5	\$300	
750/	2020	* *	10	¢12.600	
			10	\$13,600	
Location: Throughout Texplanation: T-8 Lamps	he Building		10	\$3,600	
			10	Ψ3,000	
•		ea . 10070			
5%	2029	* *	2		
				\$2,400	
5%	2029	* *	1		
100%	2029	* *	10	\$100	
70%	2032	* *	1	\$5,200	
100%	2032	* *	1-3	\$12,200	
	% of Fail Date Esti Total (Years) 5% 95% 100% 100% 100% 75% Other Observation, Extent Location: Throughout T Explanation: T-8 Lamps 20% T-5 Lamps And Fixtures, E Location: Throughout T 5% 50% 45% 50% 45% 5% 100%	Soft Fail Date Estimated Cost Year FY	Year Estimated Cost Year Estimated Cost FY	No of Total Fail Date Estimated Cost Year Estimated Cost Cycle FY	No f Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs)

Mechanical	Current Repair			Futu	re Replacement	М		
System Component Type	% of Fail Total (Ye		Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Energy Source

Natural Gas 100% Now \$800 2044 ** 1

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

Location: Basement Electric Room

Explanation: There Is No Air Vent For The Gas Meter Located In Electric Distribution

Room - Dangerous Condition

Note: 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 #: 13257

Mechanical	Current Repair	Futur	e Replacement	М		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating	•					
Conversion Equipment						
Furnace	30%	2029	* *	1	\$2,900	
	Other Observation, Extent : Light, Area	ı Affected	: 30%			
	Location: Penthouse					
	Explanation: 2 Units					
Hot Water Boiler	70% Other Observation, Extent: Light, Area Location: Basement Boiler Room Explanation: 1 Unit	2037 a Affected	**: 70%	1	\$6,900	
Distribution						
Hot Wtr Piping/Pump	100%	2032	* *	4	\$1,000	
Terminal Devices	700/	2027	* *	1	Φ4. 5 00	
Convector/Radiator	70%	2037	* *	1	\$4,500	
No Component	30%					
Air Conditioning						
Energy Source	100%	2040	* *	1		
Electricity Conversion Equipment	100%	2040		1		
Conversion Equipment Interior Pkg Unit - Cooling	100%	2025	\$252,900	2	\$1,200	
Cooling	R-22 Refrigerant, Extent : Light, Area A Location : Penthouse	Affected :	100%			
	Other Observation, Extent : Light, Area	ı Affected	: 100%			
	Location: Penthouse					
	Explanation: 2 Units					
Ventilation	1					
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$11,100	
Exhaust Fans						
Interior	90%	2029	* *	2	\$500	
Roof	10%	2029	* *	2	\$100	
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2022	\$4,600	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.

Page: 121

BROOKLYN PUBLIC LIBRARY - 038 MAPLETON BRANCH LIBRARY

Asset #: 13257

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

Vertical Transport

Elevators

Hydraulic 100% LIFE **

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

Location: B, 1, 2 Explanation: 1 Unit

Page: 122

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : MIDWOOD BRANCH LIBRARY Address : 975 EAST 16TH ST. @AVENUE J

Borough : BROOKLYN Agency's Number : 48

Area Sq Ft : 12,218 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 08-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 6709 Lot : 54 BIN : 3179706

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$146,100	
Electrical	\$2,400	\$125,400
Mechanical		\$119,000
Total	\$148,500	\$244,400
Importance Code A	\$146,100	
Importance Code B	\$2,400	\$244,400
Total	\$148,500	\$244,400

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$59,800			
Interior Architecture	\$20,400			\$1,600
Electrical	\$1,000	\$13,600	\$1,000	\$1,000
Mechanical	\$5,400	\$1,300	\$3,600	\$1,300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$90,700	\$18,900	\$8,500	\$7,900
Importance Code A	\$60,400	\$600	\$600	\$600
Importance Code B	\$29,800	\$18,300	\$7,900	\$7,300
Importance Code C	\$500			
Total	\$90.700	\$18.900	\$8.500	\$7.900



 $[\]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.

Asset #: 13259

Architecture	Current Repai	r Future Ro	eplacement	Maintenance	
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year Es	timated Cost Cycl (Yrs		Priority
Exterior					
Exterior Walls					
Glass Block	2%	LIFE	** 5	\$200	
Masonry: Brick	85% Now	\$146,100 LIFE	** 5	\$16,300	
	Jnt Mortar Miss/Erod, Exte	ent : Light, Area Affected .	15%		
	Location: Throughout Misaligned/Bulging, Exten	t : Light, Area Affected : 1	5%		
	Location : 2nd Floor	5			
	Vegetation Growth, Extent Location: Throughout	: Moderate, Area Affected	1 : 30%		
	Vertical Cracks, Extent: L	ight Area Affected : 5%			
	Location: North West Co				
Masonry: Fieldstone	13%	LIFE	** 5	\$1,900	
Windows					
Aluminum	100% Now	\$24,900 2040	** 5	\$1,500	
	Water Penetration, Extent	: Light, Area Affected : 10	%		
	Location : Around Windo	ws In Staircase, Various I	Locations Throughou	t	
Parapets					
Cast Stone/Terra Cotta	10%	LIFE	** 5	\$3,000	
Concrete Masonry Unit	45% 2-4	\$4,500 LIFE	** 5	\$2,000	
	Jnt Mortar Miss/Erod, Exte		ted : 15%		
	Location : Various Locat	ions Throughout			
Masonry: Brick	45% 0-2 Misaligned/Bulging, Exten Location: Exterior Face	\$20,200 LIFE t : Moderate, Area Affecte	** 5 d:20%	\$1,800	
Roof					
Modified Bitumen	95% 0-2	\$6,200 2029	* *		
	Drains Inad/Misposn, Exte Location: Back Of Build		ted : 5%		
	Ponding, Extent: Moderat Location: Back Of Build	e, Area Affected : 10%			
Skylight, Metal/Glass	5% 0-2	\$4,100 2044	* *		
2-1,-1-8-14	Water Penetration, Extent		ó		
	Location: Lower Roof	0			
nterior					
Floors					
Ceramic Tile	5%	2033	** 5	\$700	
Terrazzo	10% 0-2	\$6,900 LIFE	* * 5	\$1,200	
	Cracking/Crumbling, Exter Location: At Stairs	nt : Light, Area Affected :	10%		
Vinyl Tile	85% 0-2	\$5,400 2029	** 3	\$4,800	
	Cracking/Crumbling, Extended Location: First And Secondary	nt : Moderate, Area Affect		, ,	
Interior Walls					
Ceramic Tile	5%	2033	** 5	\$900	
Concrete Masonry Unit	80%	LIFE	** 5	\$6,000	
Gypsum Board	15%	LIFE	** 5	\$1,700	

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 #: 13259

Architecture		Current I	Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileConcealSpLn	90%	0-2	\$5,400	2037	* *	5	\$8,400	
	O	0.	, Extent : Light, Ard Locations Through					
	Water Per	ietration, E	xtent : Light, Area	Affected	: 5%			
	Location	: Against	Rear Wall On First	t Floor				
Plaster	10%	Now	\$1,900	LIFE	* *	5	\$900	
	Horizonta	l Cracks, E	Extent : Severe, Are	a Affecte	d: 10%			
	Location	ı : Basemer	ıt Boiler Room					

Electrical	Current Repair	Future	Future Replacement		aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	* *	5	\$100	
	Other Observation, Extent : Modera	ate, Area Affec	ted : 100%			
	Location: Electrical Room	.				
	Explanation: One 600 Amps Mai	n Disconnect S	Switch			
Switchgear / Switchboard	1000	2011	ماد ماد	_	\$100	
Fused Disc Sw	100%	2044	* *	5	\$100	
Raceway	1000/	2011	ماد ماد			
Conduit	100%	2044	* *	1		
Panelboards	50/	20.40	ماد ماد	_		
Fused Disc Sw	5%	2040	* *	5	Φ200	
Molded Case Bkrs	95%	2040	* *	5	\$300	
Wiring	1000/	2011	* *			
Thermoplastic	100%	2044	* *	1		
Motor Controllers	500/	2027	ماد ماد	_		
Locally Mounted	50%	2037	* *	5	Φ200	
Motor Control Center	50%	2037	* *	5	\$200	
Ground						
Grounding Devices Generic	1000/	LIFE	* *	_	\$200	
	100%	LIFE		5	\$200	
Lighting Interior Lighting						
Interior Lighting Fluorescent	93%	2029	* *	10	\$10,400	
Puorescent	Other Observation, Extent: Modera			10	\$10,400	
	Location: Throughout	ие, <i>п</i> пеа пујес	ieu . 10070			
	Explanation: T-8 Lamps					
Fluorescent	2%	2019	\$2,400	10	\$200	
riuorescent	T-12 Lamps And Fixtures, Extent:				\$200	
	Location: Storage Room	Mouertile, Arei	и Ајјестеи . 100%	•		
El		2020	* *	10	\$	
Fluorescent	5%	2029		10	\$600	
	T-5 Lamps And Fixtures, Extent: M.	юаеrате, Area	Ајјестеа : 100%			
	Location: Meeting Room					

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

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

\$4,500

\$1,600

\$6,800

BROOKLYN PUBLIC LIBRARY - 038 MIDWOOD BRANCH LIBRARY

			Asset # : 13	259					
Electrical		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	
Lighting									
Egress Lighting									
Emergency, Battery	50%			2029	* *	10	\$1,500		
Exit, Service	50%			2029	* *	1			
Exterior Lighting									
HID	100%			2029	* *	10			
Alarm									
Security System									
No Component	70%								
Generic	30%			2024	\$11,000	1	\$1,400		
Fire/Smoke Detection									
Generic	100%			2024	\$125,400	1-3	\$7,800		
Mechanical		Current F	Popair	Futur	e Replacement	М	aintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
leating	•								
Energy Source									
Natural Gas	100%			2044	* *	1			
	Other Obs	servation, E	Extent : Severe, Are	a Affecte	d: 100%				
	Location	i : Basemen	t Gas Room						
	Explana	tion : There	e Is No Vent In The	Gas Me	ter Room				
Conversion Equipment									
Hot Water Boiler	100%			2037	* *	1	\$6,000		
	Other Obs	servation, E	Extent : Light, Area	Affected	: 100%				
	Location	ı : Basemer	t Boiler Room						
	Explana	tion : 1 Uni	t						
Distribution									
Hot Wtr Piping/Pump	100%			2040	* *	4	\$600		
Terminal Devices									
A					440 400				

100% Now \$4,000 2024 \$79,800 2 \$600

R-22 Refrigerant, Extent: Light, Area Affected: 100%
Location: Roof
Other Observation, Extent: Moderate, Area Affected: 100%
Location: Roof
Explanation: 3 Package Units. The Unit Serving 1st Floor Is Not Efficient

\$39,200

1

1

2-5

2024

2037

2040

LIFE

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

100%

60%

40%

100%

Air Handler

Conversion Equipment Ext Pkg Unit -

Heating/Cooling

Ductwork/Diffusers

Air Conditioning Energy Source Electricity

Ventilation

Distribution

Convector/Radiator

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

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

Mechanical	Current Repair	Future Rep	Future Replacement		aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year Estin	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation						
Exhaust Fans						
Interior	80%	2029	* *	2	\$300	
Roof	20%	2024	\$1,900	2	\$100	
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2044	* *	1		
Water Heater						
Gas Fired	100%	2022	\$2,800	2	\$200	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sewage Ejector(s)						
Electric	100%	2024	\$11,000	4	\$1,600	
	Other Observation, Extent : Lig	ght, Area Affected : 1009	%			
	Location : Boiler Room					
	Explanation : 1 Set					
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Lig	ght, Area Affected : 1009	%			
	Location: B - 2					
	Explanation: 1 Unit					
Fire Suppression						
Sprinkler						
No Component	70%					
Generic	30%	2044	* *	1-2	\$1,000	

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

Page: 127

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : NEW LOTS BRANCH LIBRARY
Address : 665 NEW LOTS AVE. @BARBEY ST.

Borough : BROOKLYN Agency's Number : 52

Area Sq Ft : 23,736 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 11-Oct-2012 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 4090 Lot : 1 BIN : 3090726

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$660,100	
Interior Architecture	\$71,200	\$260,400
Electrical	\$176,600	\$35,900
Mechanical		\$106,000
Total	\$907,900	\$402,400
Importance Code A	\$660,100	
Importance Code B	\$247,800	\$402,400
Total	\$907,900	\$402,400

Importance Code A Importance Code B	\$93,800 \$52,100	\$1,200 \$56,500	\$1,200 \$9,000	\$1,200 \$11,100
Total	\$164,200	\$57,700	\$10,200	\$12,200
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$15,700	\$3,300	\$5,300	\$3,700
Electrical	\$20,200	\$50,500	\$1,000	\$700
Interior Architecture	\$41,100			\$3,900
Exterior Architecture	\$83,200			
EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021



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

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

Asset #: 4203

rchitecture	Current Repair	Futur	e Replacement	М	aintenance	
ystem Component Type	% of Fail Date Estima Total (Years)	nted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior						
Exterior Walls				_		
Cast in Place Concrete	2% Now	\$6,600 LIFE	* *	5	\$3,000	
	Cracking/Crumbling, Extent		eted : 15%			
	Location: Canopy At Service Exposed Reinforcement, Exte		facted , 50/			
	Location: Canopy At Servi	-	jeciea . 576			
Massamu Duiala			* *		\$24.100	1
Masonry: Brick	81% Now \$. Diagonal Cracks, Extent : Se	215,700 LIFE		5	\$24,100	1
	Location: Corners, Throug		. 1070			
	Efflorescence, Extent: Model		. 20%			
	Location: Throughout	are, in early ecrea	. 2070			
	Jnt Mortar Miss/Erod, Extent	t : Severe. Area Affe	ected : 35%			
	Location: Throughout	33				
	Misaligned/Bulging, Extent:	Severe, Area Affect	red : 20%			
	Location : Around Windows	s				
	Rusting Masonry Supt, Exten	t : Moderate, Area A	Affected : 10%			
	Location: Bulkheads, Arou	nd Windows				
Metal Panel	2% Now	\$2,100 2050	* *	5	\$1,100	1
	Corrosion/Rusting, Extent : S	evere, Area Affecte	d : 50%			
	Location: Exterior Doors					
	Deformed/Dented, Extent : M	loderate, Area Affed	cted : 25%			
	Location: Exterior Doors					
	Deteriorated Finish, Extent:	Severe, Area Affect	ed : 50%			
	Location : Exterior Doors					
Granite Panels		\$15,600 LIFE	* *	5	\$1,100	
	Int Mortar Miss/Erod, Extend Location : South Facade	t : Severe, Area Affe	ected : 25%			
		Madausta Augs Af	Control . 100/			
	Misaligned/Bulging, Extent: Location: South Facade	тоаетие, Агеа Ајј	есіва . 10%			
Class Danala		\$20,000 LIEE	* *		\$2.200	
Slate Panels	10% Now Cracking/Crumbling, Extent.	\$30,800 LIFE		5	\$2,200	
	Location: North Facade	. тоиетиге, Атеи Ај	ijecieu . 2570			
	Spalling, Extent: Moderate, A	Area Affected : 20%	á			
	Location : North Facade	1.00.13500000.207	,			
Windows						
Aluminum	100% Now \$	367,200 2049	* *	5	\$4,400	
	Air Infiltration, Extent: Mod	erate, Area Affected	l : 25%			
	Location: Throughout					
	Deteriorated Finish, Extent:	Moderate, Area Afj	fected : 50%			
	Location: Throughout					
	Glazing Clouded, Extent: Mo	oderate, Area Affect	ted : 25%			
	Location: Throughout		1 6007			
	Water Penetration, Extent: N		cted : 20%			
	Location: North Facade, So		ACC			
	Weather Strip Missing, Exten Location: Throughout	ī : Moaerate, Area	Ајјестеа : 25%			
	Locuiton . 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.

Architecture		Current	Repair	Futur	e Replacement	М	Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Parapets									
Masonry: Brick	Location Effloresce Location Horizonta Location	Cracks, Ex i: Corners, nce, Extent i: Through l Cracks, E i: Through	Extent : Moderate, F out	Affected Area Affe	: 10% cted : 10%	5	\$4,500	1	
			d, Extent : Severe, A	Area Affe	ected: 50%				
	Water Per		out Extent : Moderate, A acade, South Facac		cted : 20%				
Masonry: Limestone	5%	Now	\$2,500	LIFE	* *	5	\$300		
,		r Miss/Eroo ı : Coping	d, Extent : Moderat	e, Area 1	Affected : 35%				
	_	Deteriorate 1 : Coping	ed, Extent : Modera	te, Area	Affected : 35%				
Roof									
Modified Bitumen	100%	Now	\$25,600	2029	* *				
	Blisters, Extent : Moderate, Area Affected : 10% Location : Roof Over Second Floor								
	Drains Inad/Misposn, Extent : Moderate, Area Affected : 25% Location : Roof Over Second Floor								
		-	vere, Area Affected	: 10%					
	_		oof Along New Lot		?				
nterior									
Floors Cast in Place Concrete	5%			LIFE	* *	5	\$3,900		
Ceramic Tile	3%			2027	\$20,500	5	\$1,100		
Terrazzo	5%	0-2	\$4,100	LIFE	**		\$1,400		
	_		oderate, Area Affec Of Main Staircase		ış Hazard		, ,		
Vinyl Tile	87%	2-4	\$13,000	2024	\$260,400	3	\$11,600		
vinyi Tite	Cracking/		Extent : Light, Are			3	Ψ11,000		

Asset #: 4203

rchitecture		Current I	Repair	Futur	e Replacement	Maintenance			
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
terior									
Interior Walls									
Concrete Masonry Unit	10%			LIFE	* *	5	\$1,100		
Glass: Single Pane	2%	0-2	\$15,700	LIFE	* *	5	\$400		
		U	ents, Extent : Mod		55				
			e Doors At First, B			S			
			Extent : Moderate, A						
			e Doors At Baseme	nt, First	And Second Floor.	S			
	Explana	tion : Deter	riorated Finish						
Gypsum Board	10%			LIFE	* *	5	\$1,600		
Marble Panels	5%			LIFE	* *				
Plaster	68%			LIFE	* *	5	\$5,400		
SGFT/Glazed Masonry	5%		\$2,500	LIFE	* *				
			Extent: Moderate						
			air Between Basemo						
			xtent : Light, Area						
	Location	ı : Main Sta	air Between Basemo	ent And I	First Floor				
Ceilings									
AcousTileConcealSpLn	25%		\$71,200	2044	* *	5	\$5,600		
		_	e, Extent : Light, Ar	ea Affec	ted : 10%				
		ı : Through							
	U	0.	, Extent : Moderate	, Area Ą	ffected : 25%				
		ı : Through							
			xtent : Moderate, A		cted : 20%				
	Location	ı : Second I	Floors, Around Win	idows					
AcousTileSusp.Lay-In	50%			2037	* *	5	\$17,800		
Plaster	25%	Now	\$5,800	LIFE	* *	5	\$5,600		
	Water Per	netration, E	xtent : Light, Area	Affected	: 5%				
	Location	ı : Stairwel	!						

Electrical	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
nder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2024	\$2,500	5	\$100	
	Other Observation, Extent : Moderate, A	Area Affe	ected : 100%			
	Location : Electrical Room					
	Explanation: One 1200 Amps Main D	isconnec	t Switch			
Switchgear / Switchboard						
Fused Disc Sw	50%	2024	\$16,000	5	\$100	
Molded Case Bkrs	50%	2024	\$16,000	5	\$300	
Raceway						
Conduit	70%	2034	* *	1		
Conduit	30%	2024	\$9,300	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.

Asset #: 4203

Electrical	Curre	ent Repair	Future Replacement		Maintenance			
System Component Type	% of Fail D Total (Yea	eate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%		2023	\$2,200	5	\$100		
Molded Case Bkrs	60%		2023	\$13,300	5	\$400		
Molded Case Bkrs	30%		2040	* *	5	\$200		
Wiring Braided Cloth	70% 2-4 Insulation Aged,	\$19,200 Extent : Moderate, Are	2049 ea Affecte	* * ed : 100%	1			
	Location : Thro	pughout						
Thermoplastic	30%		2044	* *	1			
Motor Controllers								
Locally Mounted	80%		2022	\$35,900	5	\$100		
Locally Mounted	20%		2037	* *	5			
Ground								
Grounding Devices								
Generic	100%		LIFE	* *	5	\$300		
Lighting								
Interior Lighting								
Fluorescent	75%		2019	\$176,600	10	\$16,300		
	T-12 Lamps And Location : Thro	Fixtures, Extent : Mod oughout	erate, Ar	ea Affected : 100%	ó			
Fluorescent	20%		2029	* *	10	\$4,400		
	T-8 Lamps And F Location : Thro	ixtures, Extent : Mode oughout	rate, Are	a Affected : 100%				
Incandescent	5%		2019	\$11,800	2			
Egress Lighting								
Emergency, Battery	10%		2029	* *	10	\$600		
Emergency, Battery	40%		2019	\$12,700	10	\$2,300		
Exit, Service	5%		2029	* *	1			
Exit, Service	45%		2019	\$1,500	1			
Alarm								
Security System								
No Component	70%							
Generic	30%		2029	* *	1	\$2,700		
Fire/Smoke Detection								
No Component	65%							
Generic	35%		2029	* *	1-3	\$5,100		

Mechanical	Current Rep	air Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Es Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating Energy Source Natural Gas	100%	2044	* *	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 #: 4203

Mechanical		Current F	Repair	Future Replacement		Maintenance			
System Component Type	% of l Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Heating				•				•	
Conversion Equipment									
Hot Water Boiler	100%	Now	\$10,600	2037	* *	1	\$10,600		
			evere, Area Affecte	d: 20%					
	Location .		oom Extent : Light, Area	Affaatad	. 10/				
	Location .		_	Ајјестеи	. 1/0				
	Explanati								
Distribution									
Hot Wtr Piping/Pump	100%			2032	* *	4	\$1,200		
Terminal Devices									
Convector/Radiator	100%			2029	* *	1	\$7,700		
Air Conditioning									
Energy Source	1000/			20.40	* *	1			
Electricity	100%			2040	* *	1			
Conversion Equipment Interior Pkg Unit -	35%			2025	\$106,000	2	\$500		
Cooling	3370			2023	\$100,000	2	\$300		
Coomig	R-22 Refrig	erant, Ext	tent : Light, Area A	ffected :	100%				
			n The Basement	,,,					
Exterior Pkg Unit -	65%	Now	\$1,400	2029	* *	2	\$800		
Cooling	32,1	- 1 - 11	7-,			_	7000		
Ç	Corroded, I Location		oderate, Area Affe	cted : 15	%				
	R-22 Refrie	arant Ev			1000/				
	Location .		tent : Light, Area A 200f	ffected :	100%				
Terminal Devices	Location .								
Fan Coil - Cooling	Location .			2029	**	1	\$800		
Fan Coil - Cooling No Component	Location .					1	\$800		
Fan Coil - Cooling No Component Heat Rejection	10% 90%			2029	**				
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit	10% 90%					1 2	\$800 \$1,700		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component	10% 90%			2029	**				
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation	10% 90%			2029	**				
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component	10% 90%			2029	**				
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution	10% 90% 10% 90%			2029	**	2	\$1,700		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers	10% 90% 10% 90%	Now	\$300	2029 2029 LIFE 2024	* * * * \$13,000	2	\$1,700		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans	10% 90% 10% 90% 100% 50% Not in Serv	Now ice, Exten	\$300 t : Severe, Area Aff	2029 2029 LIFE 2024	* * * * \$13,000	2 2-5	\$1,700 \$13,200		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans Interior	10% 90% 10% 90% 10% 50% Not in Serv Location	Now ice, Exten	\$300 t : Severe, Area Aff at Staff Lounge	2029 2029 LIFE 2024 Fected: 2	** ** ** \$13,000	2 2-5 2	\$1,700 \$13,200 \$300		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans	10% 90% 10% 90% 100% 50% Not in Serv Location 50%	Now ice, Exten Basemen	\$300 t : Severe, Area Aff tt Staff Lounge \$500	2029 2029 LIFE 2024 2024 2024	** ** \$13,000 \$9,300	2 2-5	\$1,700 \$13,200		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans Interior	10% 90% 10% 90% 100% 50% Not in Serv Location 50% Corroded, i	Now ice, Exten : Basemen Now Extent: M	\$300 t : Severe, Area Aff at Staff Lounge \$500 Voderate, Area Affe	2029 2029 LIFE 2024 2024 2024	** ** \$13,000 \$9,300	2 2-5 2	\$1,700 \$13,200 \$300		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans Interior Roof	10% 90% 10% 90% 100% 50% Not in Serv Location 50% Corroded, i	Now ice, Exten : Basemen Now Extent: M	\$300 t : Severe, Area Aff tt Staff Lounge \$500	2029 2029 LIFE 2024 2024 2024	** ** \$13,000 \$9,300	2 2-5 2	\$1,700 \$13,200 \$300		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans Interior Roof	10% 90% 10% 90% 100% 50% Not in Serv Location 50% Corroded, i	Now ice, Exten : Basemen Now Extent: M	\$300 t : Severe, Area Aff at Staff Lounge \$500 Voderate, Area Affe	2029 2029 LIFE 2024 2024 2024	** ** \$13,000 \$9,300	2 2-5 2	\$1,700 \$13,200 \$300		
Fan Coil - Cooling No Component Heat Rejection Air Condenser Unit No Component Ventilation Distribution Ductwork/Diffusers Exhaust Fans Interior Roof	10% 90% 10% 90% 100% 50% Not in Serv Location 50% Corroded, i	Now ice, Exten : Basemen Now Extent: M	\$300 t : Severe, Area Aff at Staff Lounge \$500 Voderate, Area Affe	2029 2029 LIFE 2024 2024 2024	** ** \$13,000 \$9,300	2 2-5 2	\$1,700 \$13,200 \$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.

Mechanical	Current Repair	Future Replaceme	ent N	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated (FY	Cost Cycle (Yrs)	Estimated Cost	Priority
Plumbing					
Water Heater	1000/	2022 05	500 2	Ф200	
Gas Fired	100%		500 2	\$300	
	Other Observation, Extent : Light, Area Location : Basement	і Ајјесіва : 100%			
	Explanation : One Unit				
Sanitary Piping					
Cast Iron	100%	LIFE	** 1		
Storm Drain Piping					
Cast Iron	100% Now \$1,600	LIFE	** 1		
	Blockage /Clogged, Extent : Moderate, Location : Roof Drain	Area Affected : 5%			
	Corroded, Extent : Moderate, Area Affe				
	Location: At Lobby Ceiling, Leaking	From Roof Drain			
Sewage Ejector(s)	1000			.	
Electric	100%	2029	** 4	\$1,600	
	Other Observation, Extent : Light, Area Location : Basement	a Affected: 100%			
	Explanation : Not Accessible				
Backflow Preventer	Explanation . Not Accessible				
No Component	90%				
Generic	10%	2024 \$	200 1	\$200	
	Other Observation, Extent : Light, Area	a Affected : 100%			
	Location: Basement				
	Explanation: Boiler Make Up Line				
Fixtures	1000/				
Generic	100%				
Yertical Transport Elevators					
Hydraulic	100%	LIFE	* *		
Try draune	Other Observation, Extent : Light, Area				
	Location: B-2	33			
	Explanation: 1 Unit				
ire Suppression					
Sprinkler					
No Component	95%	2024		4.6.0	
Generic	5%	2034	** 1-2	\$300	
Chemical System	000/				
No Component Generic	90% 10%	2022 \$2,	600 1-3	\$5,100	
Generic	Other Observation, Extent : Light, Area		000 1-3	φ3,100	
	Location: Throughout				
	Explanation: Fire Extinguishers				

Maintenance \$ are aggregated over a 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: 134

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : NEW UTRECHT BRANCH LIBRARY
Address : 1743 86TH ST. @BAY 17 STREET

Borough : BROOKLYN Agency's Number : 51

Area Sq Ft : 22,455 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 03-May-2016 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,2

Block : 6343 Lot : 64 BIN : 3165745

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$522,700	
Interior Architecture	\$83,800	\$275,100
Electrical		\$330,600
Total	\$606,500	\$605,800
Importance Code A	\$522,700	
Importance Code B	\$48,100	\$605,800
Importance Code C	\$35,700	
Total	\$606,500	\$605,800

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$29,000			
Interior Architecture	\$50,200			\$5,200
Electrical	\$41,500	\$400	\$500	\$700
Mechanical	\$14,700	\$2,700	\$4,300	\$2,200
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$139,300	\$7,100	\$8,700	\$12,000
Importance Code A	\$30,000	\$1,100	\$1,100	\$1,100
Importance Code B	\$83,900	\$6,000	\$7,600	\$10,100
Importance Code C	\$25,400			\$700
Total	\$139,300	\$7.100	\$8.700	\$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.

Asset #: 4204

chitecture		Current F	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of 1 Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior								
Exterior Walls	0.004		ф а ао 2 00		de de	_	Φ 2. ε00	
Masonry: Brick	Location Vertical Cr Location Water Pene	: East Fac acks, Exte : At North	\$229,300 l, Extent : Moderat ade, Chimney nt : Moderate, Are west Corner xtent : Moderate, A Walls	a Affecte	d : 5%	5	\$25,600	
Masonry: Fieldstone		Now Miss/Erod : Through	\$7,300 l, Extent : Light, A	LIFE rea Affec	* * ted : 30%	5	\$200	
Massamu Limestone				LIDD	* *		¢1 700	
Masonry: Limestone		Now Miss/Erod : Through	\$73,800 l, Extent : Moderat out	LIFE te, Area A		5	\$1,700	
Window Wall		Now tion, Exten : Through	\$2,700 at : Light, Area Affa out	2047 ected : 10	* *	5	\$500	
Windows								
Aluminum	Location Deformed/I	: Through Dented, Ex	ctent : Moderate, A			5	\$2,200	
	Hardware I	: Through Missing, E : Through	xtent : Moderate, 1	Area Affe	ected : 40%			
Parapets								
Cast Stone/Terra Cotta		Now Trumbling, Through	\$1,300 Extent : Moderate out	LIFE e, Area Ą	* * ffected : 30%	5	\$400	
Masonry: Brick	Location Jnt Mortar	: Through Miss/Eroc	\$16,500 Extent : Moderate out I, Extent : Moderat Face Of South Par	te, Area 1	-	5	\$1,000	
Masonry: Limestone		0-2 Miss/Eroo : Through	\$1,100 l, Extent : Light, A out	LIFE rea Affec	* * ted : 10%	5	\$100	
Roof								
Modified Bitumen	Location . Water Pene	: Main Roo	xtent : Moderate, A		* * cted : 10%			

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

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

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

Asset #: 4204

rchitecture		Current I	Repair	Futur	e Replacement	M	aintenance	
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	5%			LIFE	* *	5	\$7,400	
Ceramic Tile	5%			2036	* *	5	\$1,700	
Terrazzo	5%			LIFE	* *	5	\$2,600	
Vinyl Tile	10%		\$2,800	2032	* *	3	\$1,300	
		Crumbling, n : Through	Extent : Light, Ard out	ea Affecto	ed : 10%			
Vinyl Tile 9" X 9"	75%			2022	\$275,100	3	\$12,600	
•	_	Crumbling, n : Through	Extent : Moderate out	e, Area Aj	ffected : 40%			
Interior Walls								
Ceramic Tile	5%			2036	* *	5	\$1,500	
Gypsum Board	10%		\$2,500	LIFE	* *	5	\$1,800	
	_	Crumbling, n : Through	Extent : Light, Ard out	ea Affecto	ed : 10%			
Plaster	75%	Now	\$35,700	LIFE	* *	5	\$6,700	
	Location Water Per	n : Through	Extent : Moderate, A	·				
SGFT/Glazed Masonry	10%	Now	\$23,000	LIFE	* *			
,		Crumbling, n : Through	Extent : Light, Are	ea Affecto	ed : 10%			
		netration, E n : Through	Extent : Moderate, A out	Area Affe	cted : 30%			
Ceilings								
AcousTileConcealSpLn	_		\$6,700 Extent : Light, Ard out	2040 ea Affecto	* * ed : 10%	5	\$5,300	
Exposed Concrete	10%			LIFE	* *	5-10	\$4,200	
Gypsum Board	10%		\$3,400	LIFE	* *	5	\$4,200	
71	_	Crumbling, n : Through	Extent : Light, Ard out	ea Affecto	ed : 10%		. ,	
Plaster	55%	Now	\$48,100	LIFE	* *	5	\$11,600	
1 140101	Water Per		xtent : Moderate, A		cted : 2%	J	Ψ11,000	

Electrical	Curre	nt Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Year	ate Estimated Cost s)	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.

Asset #: 4204

Electrical	Curi	rent Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail l Total (Yes	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2027	\$2,500	5	\$100	
		ion, Extent : Moderate, .	Area Affe	cted : 100%			
	Location : Ele						
	Explanation:	Two 400 Amps Main Di	isconnect	Switch			
Switchgear / Switchboard							
Molded Case Bkrs	100%		2027	\$32,000	5	\$600	
Raceway							
Conduit	95%		2027	\$29,500	1		
Conduit	5%		2047	* *	1		
Panelboards							
Fused Disc Sw	5%		2026	\$1,100	5		
Molded Case Bkrs	30%		2043	* *	5	\$200	
Molded Case Bkrs	65%		2026	\$14,400	5	\$400	
Wiring							
Braided Cloth	70% 2-4		2052	* *	1		
	Insulation Aged, Location : Thr	, Extent : Moderate, Are oughout	ea Affecte	d : 100%			
Thermoplastic	30%		2047	* *	1		
Motor Controllers							
Locally Mounted	100%		2040	* *	5	\$200	
Ground							
Grounding Devices							
Generic	100%		LIFE	* *	5	\$700	
Lighting							
Interior Lighting							
Fluorescent	90%		2022	\$200,500	10	\$18,500	
		ion, Extent : Moderate, .	Area Affe	cted : 100%			
		oughout The Building					
	Explanation:	T-12 Lamps					
Incandescent	10%		2022	\$22,300	2	\$100	
Egress Lighting							
Emergency, Battery	50%		2022	\$15,000	10	\$2,700	
Exit, Service	50%		2022	\$1,600	1		
Exterior Lighting							
HID	100%		2022	\$84,000	10	\$100	
Alarm							
Security System							
No Component	80%						
Generic	20%		2027	\$13,500	1	\$1,700	
Fire/Smoke Detection				•		•	
No Component	80%						
Generic, Digital	20%		2027	\$46,100	1-3	\$2,900	
Exit, Service Exterior Lighting HID Alarm Security System No Component Generic Fire/Smoke Detection No Component	50% 100% 80% 20%		2022 2022 2027	\$1,600 \$84,000 \$13,500	1 10	\$100 \$1,700	

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 #: 4204

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
leating								
Energy Source								
Natural Gas	100%			2047	* *	1		
Conversion Equipment								
Hot Water Boiler	100%		\$1,000	2040	* *	1	\$10,000	
		_	nt : Moderate, Ared		d : 5%			
			stat Control System					
			Extent : Light, Area	Affected	: 100%			
	Location	ı : Basemer	ıt					
	Explana	tion : One	Unit					
Distribution								
Hot Wtr Piping/Pump	100%			2043	* *	4	\$1,700	
Terminal Devices								
Air Handler	40%			2032	* *	1	\$5,600	
Convector/Radiator	60%			2040	* *	1	\$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2043	* *	1		
Conversion Equipment								
Exterior Pkg Unit -	100%	Now	\$5,100	2032	* *	2	\$1,100	
Cooling								
_	-	_	nt : Moderate, Ared stat Control System		d : 5%			
Terminal Devices								
Direct Expansion	100%			2032	* *	1		
Ventilation Pentilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$19,800	
Exhaust Fans								
Interior	10%		\$100	2032	* *	2	\$100	
			lerate, Area Affecte	rd:5%				
	Location	ı : Bathroo	ms					
Roof	90%			2032	* *	2	\$600	
Plumbing								
H/C Water Piping								
Galv Iron/Steel	100%			2032	* *	1		
Water Heater								
Gas Fired	100%			2025	\$5,200	2	\$300	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Vertical Transport								

Vertical Transport

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

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

Page: 139

BROOKLYN PUBLIC LIBRARY - 038 NEW UTRECHT BRANCH LIBRARY

Asset #: 4204

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

Vertical Transport

Elevators

Hydraulic 100% LIFE **

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

Location: B-2 Explanation: 1 Unit

Page: 140

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : PACIFIC BRANCH LIBRARY

Address : 25 FOURTH AVENUE @PACIFIC STREET

Borough : BROOKLYN Agency's Number : 69

Area Sq Ft : 15,758 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 04-Apr-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1, Mez, 2

Block : 928 Lot : 6 BIN : 3018376

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$225,200	
Interior Architecture		\$159,700
Electrical	\$327,000	
Mechanical	\$196,600	
Total	\$748,800	\$159,700
Importance Code A	\$225,200	
Importance Code B	\$523,600	\$159,700
Total	\$748,800	\$159,700

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$34,900	\$10,700		
Interior Architecture	\$33,800	\$900	\$64,300	\$1,800
Electrical	\$10,500	\$32,500	\$900	\$900
Mechanical	\$9,200	\$9,700	\$3,500	\$1,700
Total	\$88,400	\$53,800	\$68,700	\$4,400
Importance Code A	\$35,700	\$11,600	\$800	\$800
Importance Code B	\$41,100	\$42,100	\$67,900	\$3,600
Importance Code C	\$11,600			
Total	\$88,400	\$53,800	\$68,700	\$4,400



 $[\]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.

Architecture	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
Exterior							
Exterior Walls	0.50/		* ****	de de	_	#24 500	
Masonry: Brick	85%	#24 000	LIFE	* *	5	\$34,600	
Masonry: Fieldstone	5% Now Jnt Mortar Miss/Ero	\$34,900	LIFE		5	\$1,500	
		ng Walls At Exterio		yjeciea . 33%			
	Open Joints, Extent	_		25%			
	=	ng Walls At Exterio		.570			
Masonry: Limestone	10% Now	\$48,900	LIFE	* *	5	\$3,100	
Masonry. Emilestone	Cracking/Crumbling Location: Window	g, Extent : Light, Ar			3	\$3,100	
	Int Mortar Miss/Ero Location : Window		te, Area A	Affected : 25%			
	Staining/Discoloring Location : At Wind		e, Area A <u>j</u>	fected : 15%			
Windows							
Wood	100% Now Deteriorated Finish		2049 Area Aff	* * ected : 50%	5	\$22,700	
	Location: Through Glazing Broken/Cra		Amag Af	Footod , 50/			
	=	s Locations Through		jeciea . 576			
	Thermally Inefficien	_		ffected : 50%			
	Location : Through		,	<i>y</i>			
	Split/Cracked, Exter		Affected .	: 25%			
	Location: Through						
Parapets							
Masonry: Brick	80% Now Jnt Mortar Miss/Erc Location: Interior		LIFE te, Area A	* * Affected : 10%	5	\$4,400	
	Spalling, Extent : M		ted : 30%	í			
	Location : Interior	· Face					
Masonry: Limestone	10%		LIFE	* *	5	\$700	
Metal Panel	10%		2044	* *	5	\$2,100	
Roof							
Asphalt Shingle	40%		2033	* *	10	\$1,100	
Modified Bitumen	60%		2029	* *	10	\$9,600	
Interior							
Floors Carpet	20%		2020	\$61,900	3	\$7,300	
Cast in Place Concrete	10%		LIFE	\$01,900 * *	5	\$5,400	
Ceramic Tile	5%		2027	\$23,500	5	\$1,200	
Sheet Vinyl/Rubber	5%		2024	\$36,000	5	\$1,800	
Vinyl Tile	60% 0-2	\$12,400	2024	\$123,700	3	\$5,500	
·	Cracking/Crumbling Location : 2nd Flo	-	, Area A <u>f</u>				
	Other Observation,			cted : 10%			
		ent And Meeting Roo	om				
	Explanation: 9x9	Tiles					

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

Maintenance \$ are aggregated over a 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 #: 13261

Architecture		Current I	Repair	Futur	e Replacement	M	Maintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2027	\$25,000	5	\$900	
Gypsum Board	10%			LIFE	* *	5	\$1,100	
Plaster	80%	2-4	\$11,600	LIFE	* *	5	\$4,400	
	O	Crumbling, 1 : Basemen	Extent : Light, Are	ea Affecto	ed : 5%			
Wood	5%			LIFE	* *	5	\$3,700	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$9,800	2044	* *	5	\$600	
	Location Loose/Del Location	n : Mens Ba 'am Surface n : Mens Ba	nents, Extent : Seve throom In Baseme e, Extent : Severe, A throom In Baseme Extent : Severe, Ar	cted : 20%				
	U	0 0	throom In Baseme	00				
Gypsum Board	5%			LIFE	* *	5	\$1,500	
Plaster	90%			LIFE	* *	5	\$13,800	

Electrical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of 1 Total	Fail Date Estin (Years)	mated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2024	\$1,500	5	\$400	
	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location .	: Electrical Roo	m					
	Explanati	on : One 800 A	nps Main Di	sconnect	Switch			
Switchgear / Switchboard Molded Case Bkrs	100%			2024	\$32,000	5	\$400	
Raceway					•			
Conduit	100%			2024	\$31,100	1		
Panelboards								
Fused Disc Sw	10%			2023	\$1,500	5		
Molded Case Bkrs	90%			2023	\$13,300	5	\$400	
Wiring								
Thermoplastic	100%			2024	\$27,500	1		
Motor Controllers								
Locally Mounted	100%			2022	\$29,900	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,400	LIFE	* *	5	\$200	
	Other Observation, Extent: Moderate, Area Affected: 100%							
	Location .	: Boiler Room						
	Explanati	on : Corroded						

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.

Electrical	Current Repair	Future	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year 1 FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	68%	2019	\$106,300	10	\$9,800	
	Other Observation, Extent: Mo	derate, Area Affect	ted : 100%			
	Location : Throughout The Bu	iilding				
	Explanation: T-12 Lamps					
Fluorescent	30%	2029	* *	10	\$4,300	
	T-8 Lamps And Fixtures, Extent					
	Location: Offices And 2nd Flo	oor				
Incandescent	2%	2019	\$3,100	2		
Egress Lighting						
Emergency, Battery	50%	2019	\$10,500	10	\$1,900	
Exit, Service	50%	2019	\$1,100	1		
	Obsolete Equipment, Extent : M	loderate, Area Affe	cted : 100%			
	Location : Throughout The Bu	iilding				
Exterior Lighting						
HID	100%	2019	\$59,000	10		
Alarm						
Fire/Smoke Detection						
Generic	100%	2019	\$161,700	1-3	\$9,700	

Mechanical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Fail Date Estima Total (Years)	ated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Heating								
Energy Source								
Natural Gas	100%	2034	* *	1				
Conversion Equipment								
Hot Water Boiler	100%	2037	* *	1	\$7,800			
	Other Observation, Extent : Light, Area Affected : 100%							
	Location: Basement							
	Explanation: (1) Gas Fired	l Hot Water Boiler						
Distribution								
Hot Wtr Piping/Pump	100%	2040	* *	4	\$800			
Terminal Devices								
Air Handler	80%	2019	\$67,400	1	\$7,800			
	On Extended Life, Extent : Moderate, Area Affected : 100%							
	Location: Roof And Basem	ent, Equipment App	roaching Useful L	ife Cycle	Limit			
Convector/Radiator	20%	2029	* *	1	\$1,000			
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.

Mechanical	Current Re	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Air Conditioning									
Conversion Equipment									
Int Pkg Unit -	25% Now	\$77,800	2029	* *	2	\$200			
Heating/Cooling		. 16 7 . 4	A CC .	1 500/					
	Unit Inoperable, Extent: Moderate, Area Affected: 50%								
	Location : Basement								
Ext Pkg Unit -	50% Now	\$51,500	2034	* *	2	\$400			
Heating/Cooling		. 14 1 . 4	A CC .	1 500/					
	Unit Inoperable, Extent: Moderate, Area Affected: 50%								
	Location: Roof								
Window/Wall Unit	25%		2019	\$8,000	1				
Ventilation									
Distribution	1000/		LIFE	* *	2.5	φο ορο			
Ductwork/Diffusers	100%		LIFE	. T.	2-5	\$8,800			
Exhaust Fans No Component	50%								
Not Accessible	50% 50%								
Plumbing	3070								
H/C Water Piping									
Brass/Copper	100%		2044	* *	1				
Water Heater	10070		2011						
Gas Fired	100%		2022	\$3,600	2	\$200			
Sanitary Piping				+-,		+			
Cast Iron	100%		LIFE	* *	1				
Storm Drain Piping									
Cast Iron	100%		LIFE	* *	1				
Sump Pump(s)									
Submersible	100%		2018	\$6,600	4	\$2,500			
Backflow Preventer									
No Component	80%								
Generic	20%		2029	* *	1	\$200			
		Other Observation, Extent : Light, Area Affected : 20%							
	Location: Basement								
	Explanation : Boiler	Only							
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: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : PARK SLOPE/PROSPECT BRANCH LIBRARY

Address : 431 SIXTH AVE. @9TH STREET

Borough : BROOKLYN Agency's Number : 53

Area Sq Ft : 15,868 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 25-Feb-2013 Landmark Status : EXTERIOR LANDMARK

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 1006 Lot : 1 BIN : 3022144

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$146,100	\$45,600
Interior Architecture	\$55,100	
Electrical		\$119,000
Total	\$201,200	\$164,500
Importance Code A	\$146,100	\$45,600
Importance Code B	\$55,100	\$119,000
Total	\$201,200	\$164,500

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$58,000	\$5,000		
Interior Architecture				\$4,200
Electrical	\$800	\$900	\$1,400	\$1,100
Mechanical	\$4,100	\$1,600	\$5,800	\$1,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$67,000	\$11,400	\$11,100	\$10,800
Importance Code A	\$58,800	\$5,700	\$1,000	\$800
Importance Code B	\$8,200	\$5,700	\$10,100	\$10,100
Importance Code C				
Total	\$67,000	\$11,400	\$11,100	\$10,800



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

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

Asset #: 13262

rchitecture	Current Repair	Futur	e Replacement	M	aintenance	
vstem Component Type	% of Fail Date Estin Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior						
Exterior Walls						
Masonry: Brick	85% Now Efflorescence, Extent : Mod Location : Throughout	\$99,200 LIFE Terate, Area Affected	**	5	\$30,300	
Masonry: Limestone	10% 4+ Vegetation Growth, Extent . Location : Throughout	\$46,900 LIFE Moderate, Area Affa	* * ected : 15%	5	\$2,700	
Stucco Cement	5% Now Cracking/Crumbling, Exten Location: Throughout Me Loose/Delam Surface, Exter Location: Moat Areas Other Observation, Extent: Location: Throughout Explanation: Actual Blue	oat Areas nt : Severe, Area Affe Moderate, Area Affe	cted : 20%	5	\$2,200	
Windows	•					
Aluminum	100% Now Ctrwt/Balnc Not Funct, Extended Location: Throughout Unit Inoperable, Extent: M Location: Throughout			5	\$2,800	
Parapets						
Masonry: Brick	85% Now Jnt Mortar Miss/Erod, Exte Location: Throughout	\$10,900 LIFE nt : Moderate, Area A	* * Affected : 25%	5	\$3,500	
Masonry: Limestone	10% 0-2 Jnt Mortar Miss/Erod, Exte Location : Throughout	\$4,700 LIFE nt : Moderate, Area A	* * Affected : 50%	5	\$500	
Metal Panel	5%	2044	* *	5	\$800	
Roof						
Copper/Terne	80%	2052	* *	10	\$45,600	
Modified Bitumen	20%	2029	* *	10	\$4,600	

Interior

Maintenance \$ are aggregated over a 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 #: 13262

rchitecture	ecture Current Repair Future Replac		Replacement	nent Maintenance		
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior		•				
Floors						
Cast in Place Concrete	5%	LIFE	* *	5	\$2,600	
Ceramic Tile	3%	2037	* *	5	\$700	
	Recent Replace Evident, Extent: Light, Location: Bathrooms, 2012	Area Affec	ted : 100%			
Glass Block	5% Recent Replace Evident, Extent: Light, Location: Mezzanine Level, 2012	2059 Area Affec	* * ted : 100%	1		
	Other Observation, Extent : Moderate, L Location : Mezzanine Level		ted : 100%			
	Explanation: Suspended Glass Panel.	S				
Mosaic Tile	2% Recent Replace Evident, Extent : Light, Location : Main Lobby, 2012	2041 Area Affec	* * ted : 100%	5	\$1,200	
Vinyl Tile	85% 4+ \$55,100	2032	* *	3	\$7,500	
·	Adhesion Failure, Extent: Moderate, A Location: Various Locations Through Recent Replace Evident, Extent: Light, Location: Throughout Public Areas, 2	hout Area Affec				
Interior Walls						
Concrete Masonry Unit	5%	LIFE	* *	5	\$300	
Glass: Single Pane	5%	LIFE	* *	5	\$600	
	Recent Replace Evident, Extent : Light, Location : Main Lobby, 2012	Area Affec	ted : 100%			
Gypsum Board	10%	LIFE	* *	5	\$900	
Plaster	70%	LIFE	* *	5	\$3,200	
Wood	5%	LIFE	* *	5	\$3,000	
	Recent Repair Evident, Extent: Light, A Location: Throughout, 2012	Area Affecte	ed : 100%			
Wood	5% Recent Repair Evident, Extent: Light, A Location: Throughout, 2012	LIFE Area Affecte	* * ed : 100%	5	\$3,000	
Ceilings						
AcousTileSusp.Lay-In	10% Recent Replace Evident, Extent: Light, Location: Various Locations Through		* * ted : 100%	5	\$2,300	
Glass: Susp Panels	10% Recent Replace Evident, Extent: Light, Location: Mezzanine Level, 2012	LIFE Area Affec	* * ted : 100%			
Plaster	80% Recent Repair Evident, Extent : Light, A Location : Various Locations Through		* * ed : 90%	5	\$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.

Asset #: 13262

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
Inder 600 Volts								
Service Equipment						_		
Molded Case Bkrs	100%			2050	* *	5	\$400	
			tent : Moderate, A	Area Affe	ected : 100%			
		: Electrical			G 1			
0 1 1 /0 1 11 1	Explana	tion : One 40	00 Amps Main Dis	sconnect	Switch			
Switchgear / Switchboard Molded Case Bkrs	700/			2050	* *	5	\$200	
	70%			2050	* *	5 5	\$300	
Molded Case Bkrs	30%			2034		3	\$100	
Raceway	700/			2024	* *	1		
Conduit	70%			2034	* *	1		
Conduit	30%			2050	* *	1		
Panelboards	5 0/			2022	* *	5		
Fused Disc Sw Molded Case Bkrs	5% 10%			2032 2032	* *	5 5		
					* *	5 5	\$400	
Molded Case Bkrs	85%			2046	4-4-	3	\$400	
Wiring	200/			2050	* *	1		
Thermoplastic Thermoplastic	30%			2030	* *	1 1		
Motor Controllers	70%			2034		1		
	50 0/			2029	* *	_	\$100	
Locally Mounted	50% 50%			2029	* *	5 5	\$100 \$100	
Locally Mounted	30%			2041		3	\$100	
Fround Grounding Devices								
Generic	100%			LIFE	* *	5	\$200	
ighting	10070			LII L			Ψ200	
Interior Lighting								
Fluorescent	60%			2032	* *	10	\$8,700	
raorescent		s And Fixture	es. Extent : Moder		a Affected : 100%	10	ψ0,700	
	_		ut The Building	,				
Fluorescent	30%			2032	* *	10	\$4,400	
Fluorescent		s And Firtura	os Frient · Moder		a Affected : 100%	10	\$4,400	
	_		ut The Building	ше, тте	a Tyjeciea . 10070			
		i. Throughou	n The Bunding	2024	¢17.200	10	¢1.500	
Fluorescent	10%	amation Ex	tent : Moderate, A	2024	\$17,200	10	\$1,500	
			ieni . Moderaie, A nd Auditorium	теи Ајје	сией . 100%			
Egress Lighting	Ехріапа	tion : T-12 L	итрѕ					
Egress Lighting Emergency, Battery	15%			2024	\$3,500	10	\$600	
Emergency, Battery Emergency, Battery	35%			2024	\$5,500 * *	10	\$1,300	
Exit, LED	30%			2052	* *	10	\$1,300	
Exit, LED Exit, Service	10%			2039	\$200	1		
Exit, Service	10%			2024	\$200 **	1		
Exterior Lighting	10%			2032		1		
HID	100%			2024	\$64,900	10		
ightning Protection	100%			2024	φυ 4, 500	10		
Arresters/Cabling								
Generic Generic	100%			2027	\$36,800	5	\$500	
Generic	10070			2021	Ψ20,000	<u> </u>	φυσο	

Maintenance \$ are aggregated over a 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 #: 13262

Electrical	Curren	t Repair	Futur	re Replacement	М	aintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm							
Security System							
No Component	70%						
Generic	30%		2032	* *	1	\$1,800	
Fire/Smoke Detection							
No Component	25%						
Generic	75%		2032	* *	1-3	\$7,300	

Mechanical	Current F	Repair	Future	Replacement	Maintenance		
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%		2044	* *	1		
	Other Observation, E		rea Affec	eted : 100%			
	Location: Parking	Lot Area					
	Explanation: Oil T	ank Abandoned In I	Place				
Conversion Equipment							
Hot Water Boiler	100%		2037	* *	1	\$7,900	
	Other Observation, E	Extent : Light, Area	Affected .	100%			
	Location: Basemen	t					
	Explanation: 1 Gas	s Fired How Water	Boiler				
Distribution							
Hot Wtr Piping/Pump	100%		2040	* *	4	\$800	
Terminal Devices							
Air Handler	60%		2032	* *	1	\$5,900	
Convector/Radiator	20%		2029	* *	1	\$1,000	
Convector/Radiator	20%		2041	* *	1	\$1,000	
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Interior Pkg Unit -	100%		2028	* *	2	\$1,000	
Cooling							
-	Recent Installation, E	Extent : Light, Area	Affected	: 100%			
	Location: Basemen	nt Mechanical Room	ı And Fai	n Room			
Heat Rejection							
Air Condenser Unit	100%		2032	* *	2	\$11,100	
	Recent Installation, E	Extent : Light, Area	Affected	: 100%			
	Location : In Front	_	==				
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$8,800	
Exhaust Fans						. , , , , , , , , , , , , , , , , , , ,	
Interior	100%		2024	\$19,000	2	\$500	
Plumbing				. ,			

Plumbing

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

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

Asset #: 13262

Mechanical	Current Repair	r Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2022	\$4,000	2	\$200	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Backflow Preventer						
No Component	80%					
Generic	20%	2029	* *	1	\$200	
	Other Observation, Extent	: Light, Area Affected	: 20%			
	Location: Boiler Room					
	Explanation: Serves Boil	ler Only				
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
•	Other Observation, Extent	0 . 55	: 100%			
	Location: Basement Thro	_				
	Explanation: Newly Insta	alled Hydraulic Eleva	tor			

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : RYDER BRANCH LIBRARY
Address : 5902 23RD AVE. @59 STREET

Borough : BROOKLYN Agency's Number : 80

Area Sq Ft : 10,690 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 06-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 6548 Lot : 37 BIN : 3172049

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$89,100	
Interior Architecture	\$59,000	
Electrical	\$109,700	\$101,800
Mechanical		\$144,200
Total	\$257,700	\$246,000
Importance Code A	\$89,100	
Importance Code B	\$168,700	\$246,000
Total	\$257,700	\$246,000

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$23,900			
Interior Architecture	\$21,700			\$900
Electrical	\$14,600	\$2,500	\$800	\$700
Mechanical	\$3,300	\$4,300	\$4,400	\$1,800
Total	\$63,500	\$6,800	\$5,200	\$3,400
Importance Code A	\$24,400	\$700	\$500	\$500
Importance Code B	\$39,000	\$6,100	\$4,700	\$2,900
Importance Code C	\$100			
Total	\$63,500	\$6,800	\$5,200	\$3,400



 $[\]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.

BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

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	1.00/			T TEE	* *		#4.200	
Cast in Place Concrete	10% 90%			LIFE LIFE	* *	5	\$4,200	
Masonry: Brick Windows	90%			LIFE		3	\$7,500	
Aluminum	100%	Now	\$23,900	2032	* *	5	\$1,400	
7 Hullillulli			nt : Moderate, Area		d : 25%	3	Ψ1,400	
	-	: Through		55				
		trip Missin : Through	g, Extent : Modera out	te, Area	Affected : 100%			
Roof								
Modified Bitumen	100%	0-2	\$89,100	2034	* *			
	-	-	xtent : Moderate, A	rea Affec	cted : 20%			
		ı : Through						
			Extent : Moderate, A		cted : 20%			
A	Location	i : various	Locations Through	оит				
terior Floors								
Cast in Place Concrete	10%			LIFE	* *	5	\$1,800	
Quarry Tile	5%			2037	* *		\$600	
Vinyl Tile	85%	0-2	\$59,000	2034	* *		\$2,600	
•	Cracking/	Crumbling	, Extent : Moderate	, Area A	ffected : 20%			
	Location	i : Through	out					
			: Moderate, Area	Affected	: 25%			
-	Location	: Through	out					
Interior Walls	20/			2022	* *		¢200	
Ceramic Tile	3% 40%			2033 LIFE	* *	5	\$200 \$1,200	
Concrete Masonry Unit Gypsum Board	40%			LIFE	* *	5	\$2,100	
Masonry: Brick	10%			LIFE	* *	_	Ψ2,100	
Ceilings	1070							
AcousTile,Adhered	35%	4+	\$8,000	2037	* *	5	\$1,400	
	Staining/L	Discoloring	, Extent : Moderate	, Area Ą	ffected : 50%			
		: Through						
			: Moderate, Area	Affected	: 25%			
	Location	ı : Through	out					
AcousTileSusp.Lay-In	50%	4+	\$13,200	2037	* *	5	\$2,100	
		Discoloring 1 : Through	, Extent : Moderate out	, Area Ą	ffected : 25%			
			Extent : Light, Area Locations Through		: 5%			
		ded, Exteni 1 : Through	t : Moderate, Area A out	Affected	: 25%			
Exposed Struc: Steel	5%			LIFE	* *	:		
Gypsum Board	10%	2-4	\$400	LIFE	* *	5	\$1,000	
	Horizonta	l Cracks, E	Extent : Light, Area	Affected	: 5%			
	Location	ı : Main Pu	ıblic Space					

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

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

BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

Electrical	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	
Under 600 Volts							
Service Equipment							
Molded Case Bkrs	100%	2024	\$1,500	5	\$300		
	Other Observation, Extent		cted : 100%				
	Location: 1st Floor, Me						
	Explanation: One 350 A	mps Main Disconnect	Switch				
Switchgear / Switchboard	1000/	2024	#22 000	_	Φ200		
Molded Case Bkrs	100%	2024	\$32,000	5	\$300		
Raceway	000/	2024	#24 000				
Conduit	80%	2024	\$24,800	1			
Conduit	20%	2044	* *	1			
Panelboards	5 0/	2022	Φ 7 00	~			
Fused Disc Sw	5%	2023	\$700	5	4200		
Molded Case Bkrs	75%	2023	\$11,100	5	\$200		
Molded Case Bkrs	20%	2040	* *	5	\$100		
Wiring	5 00/ 2 4	Φ12.700 2010	* *				
Braided Cloth	50% 2-4	\$13,700 2049		1			
	Insulation Aged, Extent: N		d: 100%				
	Location: Throughout T						
Thermoplastic	20%	2044	* *	1			
Thermoplastic	30%	2024	\$8,200	1			
Motor Controllers							
Locally Mounted	100%	2022	\$29,900	5	\$100		
Ground							
Grounding Devices	400			_			
Generic	100%	LIFE	* *	5	\$200		
Lighting							
Interior Lighting	0.604	2024	#101.000	10	Φ0.400		
Fluorescent	96%	2024	\$101,800	10	\$9,400		
	Other Observation, Extent		ctea : 100%				
	Location: Throughout T	_					
	Explanation: T-12 Lamp		4.500				
Incandescent	4%	2024	\$4,200	2			
Egress Lighting	# 0		ate ate		***		
Emergency, Battery	50%	2029	* *	10	\$1,300		
Exit, Service	50%	2029	* *	1			
Exterior Lighting	5 00/	202:	#20.05	10			
HID	50%	2024	\$20,000	10			
Incandescent	50%	2024	\$17,000	2			
Alarm							
Security System	5 00/						
No Component	70%	• 0 - :	.1		** * * -		
Generic	30%	2034	* *	1	\$1,200		
Fire/Smoke Detection	1000/	2010	ф100 я со	1.0	4		
Generic	100%	2019	\$109,700	1-3	\$6,600		

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

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

BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

Mechanical	Current Repair	Future Re	eplacement	Ma	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Est FY	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source	1000/	2011	ata ata			
Natural Gas	100%	2044	* *	1		
Conversion Equipment	700/	2020	* *	1	¢2.700	
Furnace	70% Other Observation, Extent : L	2029		1	\$3,700	
	Location : 1st Floor Equipm	-	170			
	Explanation: 3 Units	ені Коот				
Hot Woton Doilon	30%	2037	* *	1	\$1,600	
Hot Water Boiler	Other Observation, Extent : L			1	\$1,600	
	Location: 1st Floor Equipm	-	7/0			
	Explanation: 1 Unit	ені Коот				
Distribution	Ехриниион . 1 Они					
Hot Wtr Piping/Pump	100%	2032	* *	4	\$500	
Terminal Devices	10070	2032			Ψ300	
Convector/Radiator	30%	2037	* *	1	\$1,000	
No Component	70%	2031		1	Ψ1,000	
Air Conditioning	7070					
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment						
Reciprocating	100%	2024	\$36,000	1	\$5,000	
Compr/Chiller						
	R-22 Refrigerant, Extent: Lig	ht, Area Affected : 1009	%			
	Location: Roof					
	Other Observation, Extent : L	ight, Area Affected : 10	00%			
	Location : Roof					
	Explanation : Four Split Sys	tems, Roof Mounted Ai	r Condensers			
Terminal Devices						
Air Handler/Cool/Ht	100%	2024	\$45,000	1	\$6,600	
Heat Rejection	4.00-1			_		
Remote Air Cond	100%	2024	\$63,300	2	\$7,400	
Ventilation						
Distribution Ductwork/Diffusers	100%	LIFE	* *	2-5	\$6,000	
Exhaust Fans	100%	LIFE		2-3	\$0,000	
Interior	80%	2024	\$9,400	2	\$300	
Roof	20%	2024	\$1,700	2	\$100	
Plumbing	2070	2024	φ1,700		Ψ100	
H/C Water Piping						
Brass/Copper	100%	2044	* *	1		
Water Heater				-		
Gas Fired	100%	2019	\$2,500	2	\$200	
Sanitary Piping			. ,		,	
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	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.

BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

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				

Fixtures

100% Generic

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : SARATOGA BRANCH LIBRARY

Address : 8 THOMAS S BOYLAND ST. @MACON ST.

Borough : BROOKLYN Agency's Number : 57

Area Sq Ft : 10,690 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 15-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1

Block : 1498 Lot : 35 BIN : 3040218

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$39,800	
Interior Architecture	\$89,000	
Electrical	\$74,200	\$71,800
Mechanical		\$99,200
Total	\$203,100	\$171,100
Importance Code A	\$39,800	
Importance Code B	\$163,200	\$171,100
Total	\$203,100	\$171,100

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$30,100			
Interior Architecture	\$800	\$600		\$1,300
Electrical	\$1,000	\$8,000	\$1,300	\$1,000
Mechanical	\$3,100	\$1,500	\$4,200	\$1,500
Total	\$35,000	\$10,100	\$5,500	\$3,800
Importance Code A	\$30,600	\$600	\$500	\$500
Importance Code B	\$3,900	\$9,600	\$5,000	\$3,300
Importance Code C	\$500			
Total	\$35,000	\$10,100	\$5,500	\$3,800



 $[\]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.

BROOKLYN PUBLIC LIBRARY - 038 SARATOGA BRANCH LIBRARY

Asset #: 13266

Architecture		Current I	Repair	Futur	e Replacement	Replacement Maintenance			
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit	
kterior									
Exterior Walls						_			
Masonry: Brick	75%			LIFE	* *	5	\$11,800		
Masonry: Limestone	20%			LIFE	* *	5	\$2,400		
Metal Panel	5%	Now	\$1,100	2034	* *	5	\$1,500		
		_	Extent : Moderate, A						
			anel Covers At Sou						
			Extent : Moderate,	00					
	Location	: Metal Pa	anel Covers At Sou	th And E	ast Facades				
Windows									
Glass Block	5%			LIFE	* *	5	\$100		
Wood	95%	Now	\$28,900	2032	* *	5	\$17,300		
			Extent : Moderate,	Area Afj	fected : 25%				
		: Through							
			: Light, Area Affed	cted : 259	%				
	Location	: Through	out						
Parapets									
Masonry: Limestone	100%			LIFE	* *	5	\$3,300		
Roof									
Slate			\$39,800 iss, Extent : Moder	LIFE ate, Area	* * Affected : 50%				
		: Through							
			Extent : Severe, Are	a Affecte	ed:50%				
	Location	: At Gutte	rs						
terior									
Floors	1.007			LIDE	ماد ماد	_	#2.7 00		
Cast in Place Concrete	10%			LIFE	* *	5	\$2,700		
Ceramic Tile	5%		400.000	2033	* *	5	\$600		
Vinyl Tile	85%	Now	\$89,000	2034	**	3	\$4,000		
		Crumbling, : At Main	Extent : Moderate Entrance	, Area Aj	ffected : 20%				
		ded, Extent : First Flo	: Moderate, Area I por	Affected	: 35%				
Interior Walls									
Ceramic Tile	5%			2033	* *	5	\$1,100		
Concrete Masonry Unit	5%			LIFE	* *	5	\$400		
Masonry: Brick	20%			LIFE	* *				
Plaster	70%			LIFE	* *	5	\$4,400		
Cellings									
Ceilings AcousTileSusp.Lay-In	10%			2029	* *	5	\$1,200		

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 SARATOGA BRANCH LIBRARY

Asset #: 13266

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
Inder 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2044	* *	5		
	Other Observation,		Area Affe	cted : 100%			
	Location : Electric						
	Explanation : Mai	n Service Disconnec	t Switch	Rated @ 400 Amp	eres		
Switchgear / Switchboard Molded Case Bkrs	100%		2044	* *	5	\$300	
Raceway							
Conduit	100%		2044	* *	1		
Panelboards							
Fused Disc Sw	20%		2040	* *	5	\$100	
Molded Case Bkrs	80%		2040	* *	5	\$200	
Wiring Thermoplastic	100%		2044	* *	1		
round							
Grounding Devices							
Generic	100%		LIFE	* *	5	\$200	
ighting							
Interior Lighting							
Fluorescent	70%		2019	\$74,200	10	\$6,900	
	T-12 Lamps And Fix Location : Throug		erate, Ar	ea Affected : 100%			
Fluorescent	30%		2024	\$31,800	10	\$2,900	
	T-8 Lamps And Fixt Location : Throug		rate, Are	a Affected : 100%			
Egress Lighting							
Emergency, Battery	50%		2024	\$7,100	10	\$1,300	
Exit, Service	50%		2024	\$800	1		
Exterior Lighting							
HID	100%		2024	\$40,000	10		
Marm							
Security System							
Generic	100%		2032	* *	1	\$4,000	
	Other Observation,			cted : 100%			
		And Outside The Bui	_				
	Explanation: C C	TV Surveillance C	ameras				
Fire/Smoke Detection							
Generic	100%		2032	* *	1-3	\$6,600	
	Other Observation,		Area Affe	cted : 100%			
	Location : Through	=		1.5	.a. 1 3	r ·	
	Explanation: Hor	ns, Manual Pull Sta	tions, Sm	oke Detectors And	Strobe I	Lights	

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

Heating

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 SARATOGA BRANCH LIBRARY

Asset #: 13266

Mechanical		Current Repair	Future	Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estimated Cost (Years)	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Natural Gas	100%		2044	* *	1		
Conversion Equipment							
Hot Water Boiler	100%		2037	* *	1	\$5,300	
		ervation, Extent : Light, Area	Affected:	100%			
		: Basement Boiler Room					
	Explanat	ion : 1 Unit					
Distribution	400						
Hot Wtr Piping/Pump	100%		2032	* *	4	\$500	
Terminal Devices	40			***			
Air Handler	40%		2024	\$22,800	1	\$2,600	
Convector/Radiator	60%		2037	* *	1	\$2,100	
Air Conditioning							
Energy Source	1000/		20.40	* *			
Electricity	100%		2040	* *	1		
Conversion Equipment	1.000/		2024	#2 < 000		Φ	
Reciprocating	100%		2024	\$36,000	1	\$5,000	
Compr/Chiller	D 22 D .C.:		V.C 4 - 1 - 1	000/			
	-	gerant, Extent : Light, Area A : 2nd Floor New Extension	Ајјестеа : 1	00%			
T I.D	Location	: 2nd Floor New Extension					
Terminal Devices	1,000/		2024	\$22,000	1		
Direct Expansion	100%		2024	\$32,900	1		
Heat Rejection Remote Air Cond	1,000/		2024	\$62.200	2	¢7 400	
	100%		2024	\$63,300	2	\$7,400	
Ventilation Distribution							
Distribution Ductwork/Diffusers	100%		LIFE	* *	2-5	\$6,000	
Exhaust Fans	100%		LIFE		2-3	\$0,000	
Interior	100%		2024	\$11,700	2	\$300	
Plumbing	100%		2024	\$11,700		\$300	
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater	10070		2034		1		
Gas Fired	100%		2022	\$2,500	2	\$200	
Sanitary Piping	10070		2022	\$2,300		\$200	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	10070		LILE		1		
Cast Iron	100%		LIFE	* *	1		
Fixtures	10070		LILE		1		
Generic	100%						
	100%						
Vertical Transport Elevators							
Hydraulic	100%		LIFE	* *			
Trydraunc		ervation, Extent : Light, Area					
	Location		пусски.	100/0			
		ion : One Hyd Chair Lift					
	Елриана	ion . One 11 ya Chair Liji					

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

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : STONE AVENUE BRANCH LIBRARY

Address : 581 MOTHER GASTON BLVD. @ DUMONT AVE.

Borough : BROOKLYN Agency's Number : 26

Area Sq Ft : 14,252 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 12-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1,m,2

Block : 3794 Lot : 18 BIN : 3084596

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Interior Architecture	\$81,400	_
Electrical		\$56,200
Total	\$81,400	\$56,200
Importance Code B	\$81,400	\$56,200
Total	\$81,400	\$56,200

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$16,300		\$3,300	
Interior Architecture	\$16,000		\$2,500	\$1,200
Electrical	\$10,900	\$16,200	\$1,700	\$1,300
Mechanical	\$4,800	\$2,000	\$5,000	\$2,000
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$52,000	\$22,100	\$16,300	\$8,400
Importance Code A	\$17,000	\$800	\$4,000	\$700
Importance Code B	\$35,000	\$21,200	\$12,400	\$7,700
Importance Code C				
Total	\$52,000	\$22,100	\$16,300	\$8,400



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 #: 13268

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
xterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	* *	5	\$25,000	
Masonry: Limestone	15%			LIFE	* *	5	\$3,300	
Windows								
Aluminum	100%			2040	* *	5	\$6,500	
Parapets								
Masonry: Brick	85%			LIFE	* *	5	\$3,500	
Masonry: Limestone	15%			LIFE	* *	5	\$800	
Roof								
Modified Bitumen	100%	Now	\$16,300	2029	* *			
			lerate, Area Affecto	ed : 15%				
			ond Floor					
	-	-	tent : Moderate, A	rea Affec	ted : 15%			
	Location	: Over Sec	ond Floor					
nterior								
Floors								
Carpet	30%			2023	\$62,100	3	\$7,400	
Cast in Place Concrete	3%			LIFE	* *	5	\$1,100	
Ceramic Tile	5%			2037	* *	5	\$800	
Vinyl Tile	59%	Now	\$81,400	2034	* *	3	\$3,600	
			tent : Light, Area A	iffected :	25%			
		: Through						
			: Light, Area Affec	ted : 30%	6			
	Location	: Through	out					
Wood	3%	Now	\$16,000	2064	* *	5	\$500	
	-	-	ıt : Severe, Area A <u>j</u>		50%			
	Location	: Mechani	cal Room On Seco	nd Floor				
	Poor Subfl	oor Evider	nt, Extent : Severe,	Area Aff	ected : 50%			
	Location	: Mechani	cal Room On Seco	nd Floor				
	Water Pen	etration, E	xtent : Severe, Ared	a Affecte	d: 25%			
	Location	: Mechani	cal Room On Seco	nd Floor				
Interior Walls								
Ceramic Tile	5%			2037	* *	5	\$1,100	
Gypsum Board	20%			LIFE	* *	5	\$2,700	
Plaster	50%			LIFE	* *	5	\$3,400	
Wood	25%			LIFE	* *	5	\$22,300	
Ceilings								
Gypsum Board	15%			LIFE	* *	5	\$3,100	
Plaster	80%			LIFE	* *	5	\$8,200	
Plaster	5%			LIFE	* *	5	\$500	

Electrical	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Date Total (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.

Asset #: 13268

Electrical		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	
Under 600 Volts									
Service Equipment									
Fused Disc Sw	50%			2024	\$700	5			
	Other Ob.	servation, E	Extent : Moderate, A	Area Affe	ected : 100%				
		ı : Basemer							
	Explana	tion : No N	ameplate Rating A	vailable					
Molded Case Bkrs	50%			2024	\$700	5	\$200		
	Other Ob.	servation, E	Extent : Moderate, 1	Area Affe	ected : 100%				
	Location	ı : Basemer	ıt						
	Explana	tion : Main	Service Disconnec	t Rated	@ 400 Amperes				
Switchgear / Switchboard									
Molded Case Bkrs	100%			2024	\$32,000	5	\$400		
Raceway									
Conduit	80%			2024	\$24,800	1			
Conduit	20%			2044	* *	1			
Panelboards									
Molded Case Bkrs	50%			2023	\$7,400	5	\$200		
Molded Case Bkrs	50%			2040	* *	5	\$200		
Wiring									
Thermoplastic	100%			2044	* *	1			
Motor Controllers									
Locally Mounted	100%			2037	* *	5	\$100		
Ground									
Grounding Devices									
Generic	100%	2-4	\$9,400	LIFE	* *	5	\$200		
	Location	servation, E n : Metal W tion : Corro	=	Area Affe	ected : 100%				
Lighting									
Interior Lighting									
Fluorescent	10%			2029	* *	10	\$1,300		
	_	s And Fixtu 1 : Mezzani	res, Extent : Mode ne	rate, Are	a Affected : 100%				
Fluorescent	2%			2024	\$2,800	10	\$300		
		ps And Fixt n : Mechant		erate, Ar	rea Affected : 100%	ó			
Fluorescent	88%			2029	* *	10	\$11,500		
			Extent : Moderate, A	Area Affe	ected : 100%		. ,		
	Location: Throughout The Building								
	Explana	tion : Com	pact Fluorescent L	ight Fixt	ures				
Egress Lighting	-								
Emergency, Battery	50%			2029	* *	10	\$1,700		
Exit, LED	50%			2052	* *	1	. ,		
Exterior Lighting									
HID	100%			2024	\$53,300	10			
Alarm	100/0			202-T	Ψ55,500	10			

Alarm

Maintenance \$ are aggregated over a 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 #: 13268

Electrical	Current Repair	Future Repl	acement	M	aintenance		
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year Estim	nated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Alarm							
Security System							
Generic	100%	2029	* *	1	\$5,300		
Other Observation, Extent : Moderate, Area Affected : 100%							
	Location: Throughout The Bi	uilding					
	Explanation: CCTV Surve	illance Cameras					
Fire/Smoke Detection							
Generic	100%	2029	* *	1-3	\$8,800		
	Other Observation, Extent : Mo	oderate, Area Affected : 1	100%				
	Location : Throughout The Bi	uilding					
	Explanation: Strobe Lights, S	Smoke Detectors, Manua	l Pull Statio	on And A	larm Bells		

Mechanical	Current Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2044	* *	1		
	Other Observation, Extent : Ser		d : 100%			
	Location: Basement Electric					
	Explanation : No Vent For Ge	as Meter Located	In Electric Room	- Danger	ous Condition	
Conversion Equipment						
Hot Water Boiler	100%	2037	* *	1	\$7,100	
	Other Observation, Extent: Lig		: 100%			
	Location : Basement Boiler R	200m				
	Explanation : 1 Unit					
Distribution						
Hot Wtr Piping/Pump	100%	2040	* *	4	\$700	
Terminal Devices						
Air Handler	60%	2032	* *	1	\$5,300	
Convector/Radiator	40%	2037	* *	1	\$1,800	
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment						
Reciprocating Compr/Chiller	75%	2032	* *	1	\$5,000	
	R-22 Refrigerant, Extent : Ligh	t, Area Affected :	75%			
	Location: 2nd Floor Mechan	ical Room				
Exterior Pkg Unit - Cooling	25%	2032	* *	2	\$200	
coomig	R-22 Refrigerant, Extent : Ligh	t, Area Affected :	25%			
	Location : Basement	33				
Terminal Devices						
Direct Expansion	75%	2032	* *	1		
No Component	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 #: 13268

Mechanical		Current	Repair	Future Replacement Maintenance				
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection						_		
Air Condenser Unit	75%			2032	**	2	\$7,400	
			Extent : Severe, Are	a Affected	: 75%			
	Location	·	onable Unit					
N. C		ion : inope	erable Unit					
No Component	25%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$7,900	
Exhaust Fans	100%			LIFE		2-3	\$7,900	
Interior	100%	Now	\$800	2032	* *	2	\$300	
interior	Other Obs Location	ervation, E : Basemer	Extent : Severe, Are nt Electric Room ent For Gas Meter			2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	* *	1		
Water Heater						_		
Gas Fired	100%			2023	\$3,300	2	\$200	
Sanitary Piping Cast Iron	100% Other Obs	Now ervation, H	\$600 Extent : Severe, Are	LIFE a Affected	* *	1		
	Location	: Basemen	nt Mens Room					
	Explanat	ion : Wate	r Backs Up From S	Sewage Dr	rain			
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Vertical Transport Elevators								
Hydraulic	100%			LIFE	* *			
•	Location	: B, 1, M,		Affected :	100%			
	Explanat	ion : 1 Un	it					

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

Print Date: 16-Sep-2016 BROOKLYN PUBLIC LIBRARY - FY 2017

Asset Name : WILLIAMSBURGH BRANCH LIBRARY
Address : 240 DIVISION AVE. @ MARCY AVE.

Borough : BROOKLYN Agency's Number : 60

Area Sq Ft : 22,980 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 21-Jul-2014 Landmark Status : EXTERIOR LANDMARK

Areas Surveyed : Basement, Roof, Floors 1,1m,2

Block : 2189 Lot : 1 BIN : 3060090

CAPITAL	FY 2018 - 2021	FY 2022 - 2027
Exterior Architecture	\$789,200	\$135,800
Interior Architecture	\$44,000	
Electrical		\$143,100
Mechanical		\$136,400
Total	\$833,200	\$415,300
Importance Code A	\$789,200	\$191,800
Importance Code B	\$44,000	\$223,600
Total	\$833,200	\$415,300

EXPENSE	FY 2018	FY 2019	FY 2020	FY 2021
Exterior Architecture	\$16,800		\$14,000	
Interior Architecture	\$28,000	\$2,300	\$6,400	\$4,500
Electrical	\$800	\$600	\$24,900	\$800
Mechanical	\$2,100	\$3,300	\$19,300	\$3,900
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$51,800	\$10,300	\$68,600	\$13,200
Importance Code A	\$18,000	\$1,100	\$15,400	\$1,100
Importance Code B	\$12,000	\$7,700	\$53,200	\$12,100
Importance Code C	\$21,800	\$1,500		
Total	\$51,800	\$10,300	\$68,600	\$13,200



 $[\]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 #: 4201

rchitecture	Current Repair	Maintenance			
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
terior Exterior Walls Copper/Terne Masonry: Brick	3% Now \$16,800 Deformed/Dented, Extent: Moderate, A Location: South Facade Transom Par Deteriorated Finish, Extent: Moderate, Location: South Facade Transom Par Recent Replace Evident, Extent: Light, Location: Cornice At South Facing C Staining/Discoloring, Extent: Moderate Location: South Facade Transom Par 82% Now \$291,400	nels , Area Affected : 10% nels Area Affected : 25% 'ircular Apse e, Area Affected : 10%	5	\$89,100	
·	Broken/Missing Elements, Extent: Mod Location: Throughout Jnt Mortar Miss/Erod, Extent: Modera Location: Throughout Sidewalk Shed in Use, Extent: Light, A. Location: South Western Facade Staining/Discoloring, Extent: Moderate Location: Throughout	te, Area Affected : 30% rea Affected : 10%			
Masonry: Limestone	15% Now \$214,300 Int Mortar Miss/Erod, Extent : Modera Location : Cornice, Horizontal Bands	==	5	\$12,200	
Windows Wood	100% Now \$283,500 Air Infiltration, Extent: Severe, Area A, Location: Throughout - 2nd Floor No Ctrwt/Balnc Not Funct, Extent: Moderate Location: Throughout Deteriorated Finish, Extent: Moderate Location: Throughout Thermally Inefficient, Extent: Moderate Location: Throughout Split/Cracked, Extent: Moderate, Area Location: Throughout	orth Facing Windows ate, Area Affected : 50% , Area Affected : 50% e, Area Affected : 100%	5	\$46,600	
Parapets Masonry: Brick	30% Recent Repair Evident, Extent : Light, A Location : Throughout	LIFE ** Area Affected : 100%	5	\$2,000	
Masonry: Brick Cavity	60% Recent Repair Evident, Extent : Light, A Location : Throughout	LIFE * * Area Affected : 100%	5	\$4,000	
Masonry: Limestone	10% Recent Repair Evident, Extent: Light, A Location: Throughout	LIFE ** Area Affected : 100%	5	\$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.

Asset #: 4201

Architecture		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
Exterior								
Roof Conner/Torne	25%			2060	* *	10	\$14,000	
Copper/Terne		lago Evido	nt, Extent : Light, .			10	\$14,000	
			u, Extent . Lignt, . h Facing Circular		eciea . 100%			
Modified Bitumen	75%			2033	* *	10	\$16,800	
1120411104 2114111011		olace Evider	nt, Extent : Light,		ected : 100%	10	410,000	
		: Througho		33				
Interior								
Floors								
Carpet	10%			2024	\$47,600	3	\$6,900	
Ceramic Tile	5%			2034	* *	5	\$1,700	
Vinyl Tile	65%			2030	* *	3	\$11,200	
Wood	20%			2040	* *	5	\$12,900	
Interior Walls								
Ceramic Tile	5%			2034	* *	5	\$2,900	
Plaster	85%	Now	\$21,800	LIFE	* *	5	\$15,000	
	Cracking/C	Crumbling, 1	Extent : Moderate	, Area Aj	ffected : 10%			
	Location	: Througho	ut					
	Patching E	vident, Exte	ent : Moderate, Ar	ea Affec	ted : 35%			
	Location	: Througho	out 2nd Floor, Stai	rwells A	nd Storage Room			
Wood	10%			LIFE	* *	5	\$23,600	
Ceilings								
AcousTileSusp.Lay-In	10%			2038	* *	5	\$3,400	
Plaster	90%	Now	\$44,000	LIFE	* *	5	\$19,300	
	Cracking/Crumbling, Extent: Moderate, Area Affected: 10%							
	Location: Throughout 2nd Floor, Stairwells, Storage And Electrical Rooms							
	Patching Evident, Extent : Moderate, Area Affected : 20%							
	Location	: Througho	ut 2nd Floor, Stai	rwells, S	torage And Electri	ical Roon	ns	

Electrical	Current Repair	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Service Equipment						
Molded Case Bkrs	100%	2025	\$2,700	5	\$600	
	Other Observation, Extent: Moderate, A	Area Affe	ected : 100%			
	Location: Electrical Room					
	Explanation : 1- Electrical Service Ra	ted @ 12	200 Amps			
Switchgear / Switchboard						
Fused Disc Sw	30%	2045	* *	5		
Molded Case Bkrs	70%	2025	\$24,500	5	\$400	
Raceway						
Conduit	90%	2035	* *	1		
Conduit	10%	2045	* *	1		

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

Asset #: 4201

Electrical	Current F	Repair	Future Replacement		Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Panelboards							
Molded Case Bkrs	25%		2024	\$6,100	5	\$200	
Molded Case Bkrs	50%		2041	* *	5	\$300	
Molded Case Bkrs	25%		2033	* *	5	\$200	
Wiring							
Thermoplastic	90%		2035	* *	1		
Thermoplastic	10%		2045	* *	1		
Motor Controllers	400				_	**	
Locally Mounted	100%		2023	\$49,100	5	\$200	
Ground							
Grounding Devices	1000/		LIDE	* *	~	Ф200	
Generic	100%	utant Madanata A	LIFE		5	\$300	
	Other Observation, E. Location : Basemen		rea Ajje	ciea : 100%			
		•					
Lighting	Explanation : Water	rMain					
Lighting Interior Lighting							
Fluorescent	70%		2030	* *	10	\$14,800	
Tuorescent	Other Observation, E.	xtent · Moderate A		cted · 100%	10	\$14,000	
	Location : Through		11 Cu 11jj C	cica : 10070			
	Explanation: T-8 L						
Elwarasaant	10%	штрз	2030	* *	10	\$2.100	
Fluorescent	0ther Observation, E	rtant : Madarata A			10	\$2,100	
	Location : Basemen		теи Ајје	ciea . 100/0			
	Explanation : Comp		aht Firts	irac			
		acı Fiuoresceni Liş		**	10	¢4.200	
Fluorescent	20%		2030		10	\$4,200	
	Other Observation, E. Location : Classroo		геа Ајје	стеа : 100%			
Erman Linking	Explanation: T-5 L	amps					
Egress Lighting	50%		2030	* *	10	\$2,800	
Emergency, Battery Exit, Service	50%		2030	* *	10	\$2,800	
	30%		2030		1		
Exterior Lighting HID	100%		2025	\$94,000	10	\$100	
Alarm	10070		2023	\$34,000	10	\$100	
Security System							
No Component	80%						
Generic	20%		2030	* *	1	\$1,700	
Generic	Other Observation, E.	xtent · Moderate A		cted · 100%	1	Ψ1,700	
	Location : Hallways		.rea 11jje	cica : 10070			
	Explanation : CCTV		era Svet	em And Intrusion	Alarm Sv	stem	
Fire/Smoke Detection	Бърганинон . ССТ	Sarvemunce Cum	cia systi	om i ina inn astoll f	Laurin Dy	svetti.	
No Component	70%						
Generic, Analog	30%		2030	* *	1-3	\$4,400	
Generic, Analog	Other Observation, E.	xtent · Moderate A			1-3	Ψ+,+00	
	Location : Through						
	Explanation : Strob	_	ull Static	on Smoke Detector	rs		
	Explanation : Strob	e Ligrus, Manuai Pi	uu Statio	m, smoke Detector	7 S		

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

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

Asset #: 4201

Mechanical	Curren	Current Repair F		Future 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							
Natural Gas	100%		2035	* *	1		
Conversion Equipment	400			* * * * * * * * * * * * * * * * * * *			
Hot Water Boiler	100%	T	2023	\$56,000	1	\$11,400	
		Extent : Light, Area	Affected	: 100%			
	Location : Boiler						
D' - '' - '	Explanation: 1 B	oiler					
Distribution	1000/		2022	* *	4	Φ1 100	
Hot Wtr Piping/Pump	100%		2033	* *	4	\$1,100	
Terminal Devices	1000/		2020	* *		Φ7. 400	
Convector/Radiator	100%		2030	* *	1	\$7,400	
Air Conditioning							
Energy Source	1000/		2022	* *	1		
Electricity	100%		2033	~ ·	1		
Conversion Equipment	250/		2025	¢21 100	1	\$2.700	
Reciprocating	25%		2025	\$21,100	1	\$2,700	
Compr/Chiller	700/		2025	¢90,400	2	¢1 000	
Exterior Pkg Unit - Cooling	70%		2025	\$80,400	2	\$1,000	
Coomig	Other Observation	Extent : Light, Area	Affected	. 100%			
	Location : Throug		Ајјестеи	. 100/0			
	_	rigerant - Hcfc-22					
Window/Wall Unit	5%	rigerum - 11cjc-22	2020	\$2,600	1		
Terminal Devices	3%		2020	\$2,600	1		
	250/		2025	¢10.200	1		
Direct Expansion	25% 75%		2023	\$19,300	1		
No Component	13%						
Heat Rejection Air Condenser Unit	25%		2025	\$12,400	2	\$4,000	
	75%		2023	\$12,400	2	\$4,000	
No Component Ventilation	1 J70						
Distribution							
Distribution Ductwork/Diffusers	100%		LIFE	* *	2-5	\$12,800	
Exhaust Fans	100/0			•	2-3	Ψ12,000	
Interior	50%		2025	\$13,800	2	\$400	
Roof	50%		2025	\$9,900	2	\$400 \$400	
Plumbing	3070		2023	Ψ2,200		Ψ+00	
H/C Water Piping							
Brass/Copper	100%		2035	* *	1		
Water Heater	20070		_000		-		
Gas Fired	100%		2023	\$5,800	2	\$300	
Sanitary Piping	200,0			Ψ2,000		Ψ200	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	100/0		и п				
Cast Iron	100%		LIFE	* *	1		
Sump Pump(s)	100/0				1		
	100%		2020	\$12,000	Δ	\$1,600	
Rigid Piping	100%		2020	\$12,000	4	\$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.

BROOKLYN PUBLIC LIBRARY - 038 WILLIAMSBURGH BRANCH LIBRARY

Asset #: 4201

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				
Fixtures				
Generic	100%			
Vertical Transport				
Elevators				
Hydraulic	100%	LIFE **		
Other Observation, Extent : Light, Area Affected : 100%				
	Location : B, E, 1, 2			
	Explanation : One Unit			