Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$139,000	\$42,400
Interior Architecture		\$179,600
Electrical		\$220,600
Mechanical	\$581,300	\$55,300
Total	\$720,300	\$497,900
Importance Code A	\$139,000	\$42,400
Importance Code B	\$581,300	\$419,800
Importance Code C		\$35,700
Total	\$720,300	\$497,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,200			\$3,800
Interior Architecture	\$31,000			\$3,300
Electrical	\$2,500	\$200	\$200	\$1,100
Mechanical	\$15,100	\$2,100	\$2,800	\$1,900
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$57,800	\$6,200	\$6,900	\$14,100
Importance Code A	\$6,100	\$800	\$800	\$4,700
Importance Code B	\$35,100	\$5,400	\$6,100	\$8,800
Importance Code C	\$16,600			\$600
Total	\$57,800	\$6,200	\$6,900	\$14,100



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

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

Asset #: 13233

Architecture	Current Repair		Repair	Future Replacement		Maintenance			
system Component Type	% of I	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
xterior									
Exterior Walls			*			_	*** -**		
Masonry: Brick	Efflorescen Location Jnt Mortar Location	: East Fac Miss/Eroc : Through	l, Extent : Moderat out	e, Area A	ffected : 25%	5	\$22,700		
			xtent : Moderate, A	Area Affe	cted : 20%				
		: Rear Fa			0.				
			xtent : Moderate, A By Elevator	rea Affec	cted : 5%				
Masonry: Limestone	10%			LIFE	* *	5	\$1,900		
Windows									
Aluminum	95%			2032	* *	5	\$5,000		
Wood	5%			2032	* *	5	\$2,700		
Parapets	1000/			• • • •		4.0			
Metal Cornice	100%			2039	* *	10			
Roof	700/			2027	# 12 100	1.0	Ф2 000		
Asphalt Shingle Modified Bitumen	70% 30%			2027 2029	\$42,400 * *	10 10	\$2,000 \$5,200		
	Patching E	vident, Ex : Through	tent : Light, Area A out		10%	10	Ψ5,200		
terior Floors									
Cast in Place Concrete	20%			LIFE	* *	5	\$9,700		
Ceramic Tile	5%			2027	\$21,900	5	\$1,100		
Vinyl Tile		Now	\$14,400	2024	\$143,900	3	\$6,300		
•	Cracking/Crumbling, Extent: Moderate, Area Affected: 20% Location: Throughout								
		s, Extent : : Through	Moderate, Area A <u>j</u> out	fected : I	10%				
Interior Walls									
Ceramic Tile	5%			2027	\$35,700	5	\$1,300		
Plaster		Now	\$16,600	LIFE	* *	5	\$6,100		
	Cracking/Crumbling, Extent: Moderate, Area Affected: 20% Location: Hallway By Elevator, Meeting Room								
			xtent : Moderate, A By Elevator	rea Affec	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

Maintenance \$ are aggregated over a ten-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 Re	placement	Maintenance		
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Esti FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	50%	2034	* *	5		
	Other Observation, Extent: Modera	ate, Area Affected	: 100%			
	Location: Electrical Room					
	Explanation: One 200 Amperes M					
Fused Disc Sw	50%	2034	* *	5		
	Other Observation, Extent: Modera	ate, Area Affected	: 100%			
	Location : Electrical Room					
	Explanation : One 400 Amperes M	Iain Disconnect S	witch			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2034	* *	5	\$400	
Raceway	1000/	2021	.4. 4			
Conduit	100%	2034	* *	1		
Panelboards		•	de de	_		
Fused Disc Sw	5%	2032	* *	5		
Molded Case Bkrs	95%	2032	* *	5	\$400	
Wiring	1000/	2024	* *			
Thermoplastic	100%	2034	* *	1		
Motor Controllers	1000/	2020	ala ala	-	#100	
Locally Mounted	100%	2029	* *	5	\$100	
Ground						
Grounding Devices	100%	LIDE	* *	-	\$200	
Generic	100%	LIFE		5	\$200	
Lighting						
Interior Lighting Fluorescent	95%	2024	\$157,900	10	\$14,300	
Fluorescent	T-12 Lamps And Fixtures, Extent: N				\$14,300	
	Location: Throughout The Buildin		естей . 100/0			
DI .			* *	1.0	фооо	
Fluorescent	5%	2032		10	\$800	
	T-5 Lamps And Fixtures, Extent: M Location: Computer Room And W		ectea : 100%			
F 1'14'	Location : Computer Room Ana W	orking Area				
Egress Lighting	500/	2020	* *	10	#2 000	
Emergency, Battery	50%	2029	**	10	\$2,000	
Exit, Service	50%	2029		1		
Exterior Lighting	1000/	2024	¢(0.700	10	#100	
HID	100%	2024	\$62,700	10	\$100	
Alarm						
Security System	70%					
No Component Generic	30%	2029	* *	1	\$1,800	
Generic	3070	2029		1	\$1,000	

Mechanical	Current l	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

Maintenance \$ are aggregated over a ten-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 Repair Future Replacement Maintenance					aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
leating							
Energy Source							
Natural Gas	100%		2044	* *	1		
Conversion Equipment							
Hot Water Boiler	100%		2029	**	1	\$8,100	
	Other Observation, E		Affected	: 100%			
	Location : Boiler Re						
Distribution	Explanation: One U	Unit					
Hot Wtr Piping/Pump	100%		2032	* *	4	\$1,200	
Terminal Devices	10070		2032			Ψ1,200	
Convector/Radiator	100%		2029	* *	1	\$5,300	
Air Conditioning	10070					40,000	
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Interior Pkg Unit -	100%		2022	\$581,300	2	\$1,000	
Cooling							
	R-22 Refrigerant, Ext		ffected :	100%			
_	Location: 2 Units I	n AC Room					
Ventilation							
Distribution Ductwork/Diffusers	100%		LIFE	* *	2-5	\$9,100	
Exhaust Fans	10070		LIFE		2-3	\$9,100	
Interior	100%		2024	\$55,300	2	\$500	
lumbing	10070		2024	Ψ33,300		Ψ300	
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Electric	100%		2019	\$13,700	4	\$100	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Sump Pump(s)	1000/		2020		,	44.00	
Non-Submersible	100%		2029	* *	4	\$300	
Fixtures	1000/						
Generic	100%						
Vertical Transport Elevators							
Elevators Hydraulic	100%		LIFE	* *			
11y araune	Other Observation, E	Extent : Light. Area		: 100%			
			33 - 00000	,-			
	Location : B, Ll, L,	2					

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.

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BROOKLYN PUBLIC LIBRARY - 038 ARLINGTON BRANCH LIBRARY

Mechanical	Current Repair	Current Repair Future Replacemen		Maintenance		
System Component Type	% of Fail Date Estimated Cos Total (Years)	st Year F FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression						
Chemical System						
No Component	90%					
Generic	10%	2022	\$200	1-3	\$400	
	Other Observation, Extent : Light, Ar	ea Affected : .	100%			
	Location: Throughout					
	Explanation: Fire Extinguishers					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$76,800	
Electrical	\$5,000	\$63,100
Total	\$81,800	\$63,100
Importance Code B	\$81,800	\$63,100
Total	\$81,800	\$63,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$77,600	\$6,500		\$5,300
Interior Architecture	\$600	\$1,300	\$2,200	\$1,100
Electrical	\$20,500	\$2,100	\$1,500	\$16,900
Mechanical	\$9,200	\$2,000	\$5,700	\$11,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$111,900	\$15,800	\$13,400	\$38,600
Importance Code A	\$78,600	\$7,400	\$800	\$6,100
Importance Code B	\$33,200	\$8,400	\$12,600	\$32,600
Importance Code C				
Total	\$111,900	\$15,800	\$13,400	\$38,600



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

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

Asset #: 13234

Architecture	С	Current Repair		Futur	Future Replacement		Maintenance	
System Component Type		il Date E Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls Glazed Ceramic Panel	5%			LIFE	* *	5	\$5,100	
Masonry: Brick		Now	\$6,600	LIFE	* *	5	\$2,200	
Musomy. Brick	Jnt Mortar M	iss/Erod, I	Extent : Moderat nd Bulkheads		Affected : 25%	3	Ψ2,200	
Masonry: Brick	60%			LIFE	* *	5	\$13,000	
Masonry: Limestone	5% N	Now	\$12,000	LIFE	* *	5	\$800	
	Int Mortar M Location : A		Extent : Moderat s	e, 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			\$28,000 Extent : Moderat	LIFE e, Area A	* * Affected : 20%	5	\$2,400	
	Location : I	nterior Fa			Ó			
Masonry: Limestone	5% N Jnt Mortar M Location : C	iss/Erod, I	\$1,800 Extent : Moderat	LIFE e, Area A	* * Affected : 25%	5	\$200	
Metal Panel	5%			2044	* *	5	\$700	
Metal Rail	20%			2037	* *	5-10	\$12,400	
Roof								
Copper/Terne	5%			2039	* *	10	\$2,200	
Modified Bitumen	Blisters, Extended Location : C	Over Secon	\$18,500 rate, Area Affecto ad Floor nt : Moderate, A					
	Location : C	-		геи Ајјес	iea . 1576			
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%			2029	* *	3	\$3,800	
Vinyl Tile			\$76,800 nt : Moderate, An oor	2034 rea Affec	* * ted : 50%	3	\$3,300	
			oderate, Area Aj	fected : :	30%			
	Location : S		-	,				

Maintenance \$ are aggregated over a ten-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 F	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%			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 F	ent Repair Future Replac		e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2044	* *	5	\$400	
			xtent : Moderate, A	Area Affe	cted : 100%			
	Location	: Electrica	ıl Room					
	Explanati	on : Main	Service 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		
		0	nt : Moderate, Are	a Affecte	ed : 100%			
	Location	: Boiler R	oom					
Thermoplastic	95%			2044	* *	1		
Motor Controllers								
Locally Mounted	50%			2037	* *	5	\$100	
Locally Mounted	50%			2022	\$15,300	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$200	
Lighting								

0 0

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

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

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

Electrical	Cur	Current Repair		Future Replacement		Maintenance			
System Component Type		Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Lighting									
Interior Lighting									
Fluorescent	62%		2029	* *	10	\$9,400			
	•	Fixtures, Extent : Mode	rate, Areo	a Affected : 100%					
		roughout The Building							
Fluorescent	25%		2029	* *	10	\$3,800			
	T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
	Location : Red	ading Areas							
Fluorescent	10%		2029	* *	10	\$1,500			
	Other Observat	ion, Extent : Moderate, 1	Area Affe	cted : 100%					
	Location: 2nd	l Floor							
	Explanation:	Compact Fluorescent L	ight Fixtı	ıres					
Fluorescent	3%		2019	\$5,000	10	\$500			
	T-12 Lamps And	d Fixtures, Extent : Mod	erate, Ar	ea Affected : 100%	;				
	Location : Bas	sement							
Egress Lighting									
Emergency, Battery	50%		2029	* *	10	\$2,000			
Exit, LED	10%		2052	* *	1				
Exit, Service	40%		2029	* *	1				
Exterior Lighting									
HID	100%		2024	\$63,100	10	\$100			
Alarm									
Security System	1000/		• • • •	de de		4.400			
Generic	100%		2029	**	1	\$6,200			
	Other Observation, Extent: Moderate, Area Affected: 100%								
		ide And Outside The Bu	_						
F' (C 1 D) ('	Explanation:	C C T V Surveillance C	ameras						
Fire/Smoke Detection	100%		2029	* *	1.2	¢10.200			
Generic		ion Extent : Moderate			1-3	\$10,200			
	Other Observation, Extent : Moderate, Area Affected : 100% Location : Throughout The Building								
	Location : Inrougnout The Builaing Explanation : Strobe Lights, Manual Pull Station, Alarm Bells, And Smoke Detectors								
-	Explanation :	Sirove Lignis, manual I	un Siati	on, Atarm Detts, Al	на этоке	Detectors			

Mechanical	Current Repair		e Replacement	Maintenance		
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year FY	Estimated Cost	Cycle Estimat (Yrs)	ted Cost Prio	ority
Heating						
Energy Source						
Natural Gas	100%	2044	* *	1		

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

Asset #: 13234

Mechanical	Current Repair	Future R	eplacement	M		
System Component Type	% of Fail Date Estimated Cost Total (Years)	t Year Es FY	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating Conversion Equipment Furnace	70% Other Observation, Extent: Light, Are Location: Roof	2029 ca Affected : 70	**	1	\$5,700	
Hot Water Boiler	Explanation: 3 Package Units 30% Other Observation, Extent: Light, Are Location: Basement Boiler Room Explanation: 1 Unit	2037 va Affected : 30	**	1	\$2,500	
Distribution Hot Wtr Piping/Pump No Component	30% 70%	2040	* *	4	\$400	
Terminal Devices Air Handler Convector/Radiator Air Conditioning	70% 30%	2029 2037	* *	1	\$7,100 \$1,600	
Energy Source Electricity Conversion Equipment	100%	2040	* *	1		
Reciprocating Compr/Chiller	10% R-22 Refrigerant, Extent: Light, Area	2029 Affected : 10%	**	1	\$800	
Ext Pkg Unit - Heating/Cooling	Location : Roof 90%	2029	* *	2	\$900	
	R-22 Refrigerant, Extent: Light, Area Location: Roof Other Observation, Extent: Light, Are Location: Roof Explanation: 3 Package Units					
Terminal Devices Fan Coil - 2 Pipe No Component	10% 90%	2029	* *	1	\$500	
Heat Rejection Air Cooled Condenser Unit	100%	2029	* *	2	\$11,500	
Ventilation Distribution Ductwork/Diffusers	100%	LIFE	* *	2-5	\$9,200	
Exhaust Fans Interior Roof	20% 80%	2029 2029	* *	2 2	\$100 \$400	
Plumbing H/C Water Piping Brass/Copper	100%	2044	* *	1		
Water Heater Gas Fired	100%	2022	\$9,600	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 Current Repair		Future Re	placement	M	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	d Cost Year Est	imated 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	\$4,500	4	\$1,000	
	Obsolete Equipment, Extent : M	oderate, Area Affected	d: 100%			
	Location: Old Type Unit, Base	ement Custodian Room	m			
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Ligh	ht, Area Affected : 100	0%			
	Location: B, 1, 2					
	Explanation: 1 Unit					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$170,000	\$38,300
Mechanical		\$182,900
Total	\$170,000	\$221,200
Importance Code A	\$170,000	\$38,300
Importance Code B		\$182,900
Total	\$170,000	\$221,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$82,600	\$1,500		
Interior Architecture	\$45,300	\$71,000		\$2,400
Electrical	\$7,000	\$2,200	\$1,700	\$19,300
Mechanical	\$28,300	\$1,700	\$3,600	\$1,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$167,200	\$80,200	\$9,200	\$27,400
Importance Code A	\$85,100	\$2,600	\$900	\$900
Importance Code B	\$64,900	\$77,700	\$8,400	\$26,600
Importance Code C	\$17,200			
Total	\$167,200	\$80,200	\$9,200	\$27,400



 $[\]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 #: 13235

chitecture	Current Repair		Futur	e Replacement	Maintenance			
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	\$28,200	LIFE	* *	5	\$7,700		
	Cracking/Crumbling,	Extent : Moderate	e, Area A <u>j</u>	fected: 20%				
	Location: Chimney	4 4 66	1 100/					
	Crazing, Extent: Mod Location: Chimney	erate, Area Affect	ea : 10%					
	Int Mortar Miss/Erod	Extent Modera	ta Amag A	ffeeted , 250/				
	Location : Chimney	Extent : Modera	ie, Area A	yjeciea : 25%				
		Ø170 000	LIDE	* *		Ф27.000		
Masonry: Brick	85% Now	\$170,000	LIFE		5	\$27,800		
	Cracking/Crumbling, Location: Througho		e, Area A <u>j</u>	јестеа : 25%				
	Int Mortar Miss/Erod		ta Amag A	ffeeted , 150/				
	Location : Througho		ie, Area A	gjeciea . 1576				
	Spalling, Extent: Ligh		20%					
	Location: Througho		2070					
Windows								
Aluminum	85%		2040	* *	5	\$3,000		
Steel	15% Now	\$27,500	2049	* *	5	\$3,300		
	Air Infiltration, Exten			1:50%		¥ - y		
	Location : Basement							
	Glazing Broken/Crack	ed, Extent : Mode	erate, Are	a Affected : 5%				
	Location : Staff Roo	m						
	Thermally Inefficient,	Extent : Moderate	e, Area Aj	ffected : 50%				
	Location: Basement							
	Unit Inoperable, Exter		Affected :	75%				
	Location : Basement							
Parapets	400/ 37			de de	_	42.000		
Cast Stone/Terra Cotta	10% Now	\$4,700	LIFE	**	5	\$2,800		
	Int Mortar Miss/Erod	Extent : Moderai	te, Area A	Affected: 25%				
	Location : Coping	I Entered Median		A.C 4 - 1 - 250/				
	Caulking Deteriorated Location : Coping	i, Extent : Moaerd	ıте, Area .	Ајјестеа : 25%				
M D'1		Ф1 7 2 00	LIEE	* *		Ф2 000		
Masonry: Brick	80% Now	\$17,200	LIFE		5	\$2,900		
	Jnt Mortar Miss/Erod, Location : Througho		ie, Area A	yjeciea : 15%				
	Water Penetration, Ex		Araa Affaa	stad · 20%				
	Location : Over Cla		1164 11556	.iea . 2070				
Metal Panel	10%		2044	* *	5	\$1,400		
Roof	10/0		20 11		J	φ1,400		
Asphalt Shingle	25%		2027	\$14,500	10	\$700		
Single Ply Membrane	75% Now	\$4,300	2029	**	- 0	ψ, 30		
<i>G y</i>	Patching Evident, Ext			ted : 30%				
	Location : Through		55					
	Water Penetration, Ex	tent : Moderate, A	Area Affe	cted : 5%				
	Location : Over 2nd	Floor						

Maintenance \$ are aggregated over a ten-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		
vstem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior								
Floors								
Carpet	23%			2020	\$68,300	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%		\$12,900	2029	* *	3	\$5,600	
	Cracking/Crumbling, Extent : Light, Area Affected : 15% Location : First Floor							
	Loose Uni	its. Extent :	Moderate, Area Af	fected : .	30%			
			or And Mezzanine	,				
Interior Walls								
Ceramic Tile	5%			2033	* *	5	\$2,100	
Concrete Masonry Unit	2%	Now	\$900	LIFE	* *	5	\$300	
			ents, Extent : Seve cal Room Near Au					
Gypsum Board	40%			LIFE	* *	5	\$10,000	
Masonry: Brick	5%			LIFE	* *	-	4-0,000	
,	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location	ı : Foundat	ion Wall At Boiler I	Room Co	orridor			
Plaster	48%	Now	\$16,300	LIFE	* *	5	\$6,000	
	Water Pen	etration, E.	xtent : Severe, Area	ı Affected	d: 10%		. ,	
	Location	ı : Lunch R	oom					
Ceilings								
AcousTileSusp.Lay-In	5%			2037	* *	5	\$1,100	
Gypsum Board	45%			LIFE	* *	5	\$12,900	
Plaster	50%		\$15,300	LIFE	* *	5	\$7,200	
	Horizontal Cracks, Extent : Moderate, Area Affected : 5% Location : Classroom 3							
	Water Penetration, Extent: Moderate, Area Affected: 20%							
			ne, 2nd Floor Class					

ectrical Current Repair		Future Repl	acement	Maintenance			
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estin	nated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Inder 600 Volts							
Service Equipment							
Molded Case Bkrs	100%	2050	* *	5	\$500		
	Other Observation, Extent : Mode	erate, Area Affected : .	100%				
	Location: Basement						
	Explanation : One 600 Amperes	Main Disconnect Swi	tch				
Switchgear / Switchboard							
Molded Case Bkrs	100%	2050	* *	5	\$500		
Raceway							
Conduit	70%	2050	* *	1			
Conduit	30%	2024	\$9,500	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	Currer	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts	I						
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	\$5,600	2049	* *	1		
	Insulation Aged, E	xtent : Moderate, Are	a Affecte	d : 100%			
	Location: Throu	ghout 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%	T	2032	**	10	\$15,000	
		, Extent : Moderate, A	Area Affe	cted : 100%			
		ghout The Building					
F1	Explanation: T-8	s Lamps	2022	d. d.	10	Ф000	
Fluorescent	5%		2032	**	10	\$800	
	•	ctures, Extent : Moder	ate, Area	a Affected: 100%			
T. 1.1.	Location : Throu	ghout The Building					
Egress Lighting	50%		2032	* *	10	\$2,100	
Emergency, Battery Exit, LED	50% 50%		2052	* *	10	\$2,100	
Exterior Lighting	3070		2039		1		
HID	100%		2032	* *	10	\$100	
Alarm	100/0		2032	·	10	\$100	
Security System							
No Component	30%						
Generic	70%		2032	* *	1	\$4,500	
Fire/Smoke Detection						+ -,- 00	
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		

Maintenance \$ are aggregated over a ten-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 F	rent Repair Futui		uture Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating Conversion Equipment Hot Water Boiler	100% Now Malfunctioning, Exte		2041 a Affected	* * 1 : 2%	1	\$7,700	
	Location : Control & Other Observation, E Location : Basemen Explanation : One U	xtent : Light, Area t	Affected	: 100%			
Distribution							
Hot Wtr Piping/Pump	100% 2-4 Corroded, Extent : Se Location : Through		2040 !: 5%	* *	4	\$800	
Terminal Devices							
Air Handler	30%		2029	* *	1	\$3,200	
Fan Coil Unit/Heat	70%		2029	* *	1	\$3,900	
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment Interior Pkg Unit - Cooling	30%		2025	\$182,900	2	\$300	
Cooling	R-22 Refrigerant, Ext Location: AC Room		ffected:	100%			
Exterior Pkg Unit - Cooling	70%		2029	* *	2	\$700	
	R-22 Refrigerant, Ext Location : Roof	ent : Light, Area A	ffected : .	100%			
Terminal Devices							
Fan Coil - 2 Pipe	10%		2029	* *	1	\$600	
No Component	90%						
Heat Rejection Air Cooled Condenser Unit	10%		2029	* *	2	\$1,200	
No Component	90%						
Ventilation	7070						
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$9,600	
Exhaust Fans					-	+-)- · ·	
Interior	90%		2029	* *	2	\$500	
Roof	10%		2029	* *	2	\$100	
Plumbing							
H/C Water Piping Brass/Copper	100%		2044	* *	1		
Water Heater Gas Fired	100%		2019	\$9,900	2	\$300	

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

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

Mechanical	Current Repair	Future Repla	cement	М	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	d Cost Year Estima	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Sanitary Piping						
Cast Iron		1,900 LIFE	* *	1		
	Other Observation, Extent : Mod	lerate, Area Affected : 2	0%			
	Location : Franklin Avenue					
	Explanation: Main Backs Up I Auditorium	From Street, Flooding B	asement, B	oiler Roc	om And	
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Submersible	100%	2019	\$600	4	\$500	
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Ligh	nt, Area Affected : 100%				
	Location: Makes 6 Stops For.	3 Levels - B, 1, 2				
	Explanation : One Unit					
Fire Suppression						
Chemical System						
No Component	80%					
Generic	20%	2019	\$400	1-3	\$800	
	Other Observation, Extent : Ligh	nt, Area Affected : 100%				
	Location: Throughout					
	Explanation: Fire Extinguishe	ers				

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$158,000	\$82,100
Interior Architecture		\$167,900
Electrical	\$39,700	\$329,200
Mechanical	\$151,100	
Total	\$348,900	\$579,200
Importance Code A	\$158,000	\$82,100
Importance Code B	\$190,900	\$497,100
Total	\$348,900	\$579,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$48,600			\$1,900
Interior Architecture	\$14,300	\$500	\$2,400	\$1,400
Electrical	\$27,200	\$1,800	\$2,200	\$2,000
Mechanical	\$16,100	\$2,300	\$3,600	\$13,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$110,200	\$8,600	\$12,200	\$22,300
Importance Code A	\$49,600	\$1,000	\$1,000	\$2,900
Importance Code B	\$51,900	\$7,600	\$11,200	\$19,500
Importance Code C	\$8,600			
Total	\$110,200	\$8,600	\$12,200	\$22,300



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.

Architecture	Curren	t Repair	Future	e Replacement	M	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls							
Masonry: Brick	92% Now	\$158,000	LIFE	* *	5	\$25,900	
	Diagonal Cracks, E Location : South	Extent : Moderate, Ar Facade	ea Affect	ed : 10%			
		od, Extent : Moderat	e, Area A	ffected : 25%			
	Location : Throug	hout					
	Rusting Masonry St. Location: North	upt, Extent : Modera Facade	te, Area A	ffected : 25%			
	Vertical Cracks, Ex	tent : Moderate, Ared	a Affected	l : 10%			
	Location: South	Facade					
Masonry: Granite	3%		LIFE	* *	5	\$600	
Masonry: Limestone	3%		LIFE	* *	5	\$600	
Stucco Cement	2%		2037	* *	5	\$1,400	
Windows							
Aluminum	95% Now	\$15,200	2040	* *	5	\$1,800	
	Water Penetration, Location: North	Extent : Moderate, A Side	rea Affec	ted : 20%			
Steel	5%		2032	* *	5	\$2,400	
Parapets							
Masonry: Brick	95% Now	\$33,400	LIFE	* *	5	\$2,900	
	Jnt Mortar Miss/Er Location : South	od, Extent : Moderat Facade	e, Area A	ffected : 25%			
		loderate, Area Affect	ed : 20%				
	Location : Interio						
	Water Penetration.	Extent : Moderate, A	rea Affec	ted : 10%			
		Second Floor Windo					
Masonry: Limestone	5%		LIFE	* *	5	\$200	
Roof	<u> </u>					4-00	
Built-Up (BUR)	95%		2024	\$82,100	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	\$167,900	3	\$7,300	
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
Interior								
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	\$8,600	LIFE	* *	5	\$3,200	
	Cracking/	Crumbling,	Extent: Moderate	, Area A <u>f</u>	ffected : 10%			
	Location	i : Staff Stat	ir					
	Water Pen	etration, E.	xtent : Severe, Area	Affected	d : 25%			
	Location	i : Staff Stai	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	\$5,700	LIFE	* *	5	\$2,700	
	Cracking/	Crumbling,	Extent: Moderate	, Area Aj	ffected : 10%			
	Location	a : Staff Stat	ir					
	Water Pen	etration, E.	xtent : Moderate, A	rea Affe	cted : 10%			
	Location	a : Staff Stat	ir					

ectrical	Current F	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
der 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2024	\$1,500	5	\$100	
	Other Observation, E	xtent : Moderate, A	Area Affe	cted : 100%			
	Location : Electrica	ıl Room					
	Explanation : Main	Service Switch Ra	ted @ 40	0 Amperes			
Switchgear / Switchboard							
Molded Case Bkrs	100%		2024	\$32,700	5	\$500	
Raceway							
Conduit	20%		2024	\$6,400	1		
Conduit	80%		2034	* *	1		
Panelboards							
Fused Disc Sw	5%		2032	* *	5		
Molded Case Bkrs	50%		2032	* *	5	\$300	
Molded Case Bkrs	45%		2023	\$6,800	5	\$200	
Wiring							
Braided Cloth	25% 2-4	\$7,000	2049	* *	1		
	Insulation Aged, Exte	nt : Moderate, Are	a Affecte	d: 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 Repair	pair Future Replacement		Maintenance			
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
round							
Grounding Devices							
Generic	100%	LIFE	* *	5	\$300		
ighting							
Interior Lighting							
Fluorescent	20%	2019	\$39,700	10	\$3,600		
	T-12 Lamps And Fixtures, Ex Location : Basement	ctent : Moderate, Area	Affected : 100%				
Fluorescent	75%	2029	* *	10	\$13,500		
	T-8 Lamps And Fixtures, Ext Location: Throughout The		Affected : 100%				
Fluorescent	5%	2029	* *	10	\$900		
	Other Observation, Extent:	Moderate, Area Affect	ed : 100%				
	Location: Stairway						
	Explanation : Compact Flu	orescent Light Fixture	es				
Egress Lighting							
Emergency, Battery	50%	2024	\$13,400	10	\$2,400		
Exit, Service	50%	2024	\$1,400	1			
Exterior Lighting							
Fluorescent	100%	2024	\$63,600	10	\$1,800		
	Other Observation, Extent: Location: Front Only	Moderate, Area Affect	ed : 100%				
	Explanation : Compact Flu	orescent Light Fixture	es				
larm							
Security System	1000/	•05:	4045		0= 0		
Generic	100%	2024	\$60,100	1	\$7,300		
	Other Observation, Extent: Location: Throughout The		ed : 100%				
	Explanation : Intrusion Ald	arm Only, Motion Sens	sors				
Fire/Smoke Detection							
Generic	100%	2024	\$205,600	1-3	\$12,100		
	Other Observation, Extent: Location: Throughout The		ed : 100%				
	Explanation: Strobe Light.	_	. A J. A.I D . II.				

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%	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					

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

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

Mechanical	Current Repair	Future Re	placement	M	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Distribution						
Hot Wtr Piping/Pump	100%	2032	* *	4	\$1,400	
Terminal Devices						
Air Handler		1,000 2019	\$52,300	1	\$2,200	
	Leak Evident, Extent: Severe, A					
	Location : Water Leaks To Sta					
Convector/Radiator	80%	2029	* *	1	\$5,100	
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment		• • • • •	***		4.00	
Int Pkg Unit -	25%	2019	\$98,800	2	\$300	
Heating/Cooling	P. 22 Perfect annual Francis Links	. A A.C 4 - 1 - 250/				
	R-22 Refrigerant, Extent: Light Location: Basement	, Агеа Ајјестеа : 25%				
T			ماد ماد		***	
Exterior Pkg Unit -	75%	2029	* *	2	\$900	
Cooling	P. 22 Perfeit annual Francis Links	. A A.CC4-1 - 750/				
	R-22 Refrigerant, Extent : Light Location : Roof	, Агеа Ајјестеа : 75%				
Ventilation	Locuiton . Rooj					
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$10,900	
Exhaust Fans	10070	EH E			Ψ10,500	
Interior	20%	2019	\$13,200	2	\$100	
Roof	80%	2029	**	2	\$500	
Plumbing					****	
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2022	\$11,300	2	\$300	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Fixtures						
Generic	100%					
Vertical Transport						
Elevators	1000/	1.00	* *			
Hydraulic	100%	LIFE				
	Other Observation, Extent: Lig	nı, Area Affected : 10	J%0			
	Location: B, 1, 2					
	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.

Maintenance \$ are aggregated over a 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: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$89,500	\$141,200
Electrical		\$295,100
Mechanical	\$245,500	\$150,600
Total	\$335,000	\$586,900
Importance Code B	\$335,000	\$586,900
Total	\$335,000	\$586,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$64,400			
Interior Architecture	\$35,700			\$2,700
Electrical	\$2,400	\$800	\$1,000	\$1,000
Mechanical	\$4,600	\$1,600	\$2,300	\$1,500
Total	\$107,000	\$2,400	\$3,300	\$5,200
Importance Code A	\$65,000	\$600	\$600	\$600
Importance Code B	\$42,000	\$1,800	\$2,700	\$4,600
Importance Code C				
Total	\$107,000	\$2,400	\$3,300	\$5,200



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

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

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
Exterior								
Exterior Walls	050/			LIEE	* *	-	¢12 000	
Concrete Masonry Unit	95%	urfaces Ex	tent : Moderate, Ar	LIFE		5	\$12,800	
		: Through		ей Ајјесі	ей. 100/0			
Glass Block	5%			LIFE	* *	5	\$700	
Windows	370			LILL			Ψ700	
Aluminum	100%	Now	\$15,500	2040	* *	5	\$900	
	Water Pen	etration, E	xtent : Moderate, A	rea Affe	cted : 30%			
	Location	: Along B	righton Beach Ave					
Parapets								
Cast Stone/Terra Cotta		Now	\$14,600	LIFE	* *	5	\$2,900	
			Extent : Moderate, A	Area Affe	cted : 20%			
		: Through			1 2007			
			Extent : Moderate, A	Area Affe	cted : 30%			
		: Through	out ing Flashing					
Concrete Masonry Unit	90%	non . mussi	ng Fushing	LIFE	* *	5	\$3,900	
Roof	7070			LIIL			\$5,700	
Single Ply Membrane	98%	Now	\$34,200	2029	* *			
5 ,	Water Pen	etration, E	xtent : Moderate, A		cted : 20%			
	Location	: Through	out					
Skylight, Metal/Glass	2%			2044	* *	10	\$2,300	
nterior								
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$2,000	
Quarry Tile	5%			2037	* *	5	\$1,400	
Vinyl Tile	90%	0-2	\$28,200	2024	\$141,200	3	\$6,100	
		ғаниге, Ех : Through	tent : Moderate, Ar	ea Affect	tea : 35%			
		_	oui 2, Extent : Moderate	a Araa A	facted : 50%			
		am Surjace : Through		е, Агеи А	gjecieu . 3070			
Interior Walls	2000000	11						
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 Re	pair	Futur	e Replacement	Ma	aintenance	
System Component Type		ail Date E (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	60%	Now	\$89,500	2044	* *	5	\$5,500	
	Broken/Missing Elements, Extent : Severe, Area Affected : 20% Location : Throughout							
	U	rumbling, E. Throughou	xtent : Moderate t	, Area A <u>j</u>	fected : 15%			
		ration, Exte Throughou	ent : Moderate, A t	rea Affeo	cted : 40%			
Gypsum Board	40%	Now	\$7,500	LIFE	* *	5	\$9,100	
• •	Water Penet	ration, Exte	ent : Light, Area	Affected	: 20%		,	
	Location:	Throughou	t					

Electrical	Current Repair	urrent Repair Future Repla		M	aintenance			
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Jnder 600 Volts								
Service Equipment								
Fused Disc Sw	100%	2034	* *	5	\$100			
	Other Observation, Extent:		cted : 100%					
	Location : Electrical Room	•						
	Explanation : One 400 Am	peres Main Disconn	ect Switch					
Switchgear / Switchboard	1000/	2024	* *	-	#100			
Fused Disc Sw	100%	2034	* *	5	\$100			
Raceway	1000/	2024	* *	1				
Conduit	100%	2034	* *	1				
Panelboards Fused Disc Sw	50/	2022	* *	_				
Molded Case Bkrs	5% 95%	2032 2032	* *	5 5	\$300			
	93%	2032		3	\$300			
Wiring Thermoplastic	100%	2034	* *	1				
Motor Controllers	10070	2034		1				
Locally Mounted	100%	2029	* *	5	\$100			
Fround	10070	2029			\$100			
Grounding Devices								
Not Accessible	100%							
ighting	10070							
Interior Lighting								
Fluorescent	98%	2024	\$120,900	10	\$10,900			
	Other Observation, Extent:	Moderate, Area Affe			. ,			
	Location: Throughout The Building							
	Explanation: T-12 Lamps							
Incandescent	2%	2024	\$2,500	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	Curr	ent Repair	Futui	re Replacement	M	aintenance	
System Component Type	% of Fail I Total (Yea	eate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting							
Exterior Lighting							
HID	100%		2024	\$46,500	10		
Alarm							
Security System							
No Component	70%						
Generic	30%		2032	* *	1	\$1,400	
Fire/Smoke Detection							
Generic	100%		2024	\$127,600	1-3	\$7,500	

Mechanical		Current Repair		Future	Replacement	Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2044	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2029	* *	1	\$6,000	
			Extent : Light, Area		: 100%			
	Location	ı : Penthou	se Mechanical Roo	m				
	Explana	tion : (3) C	as Fired Modular I	Hot Water	Boilers			
Distribution								
Hot Wtr Piping/Pump	100%		\$1,800	2032	* *	4	\$600	
			Ioderate, Area Affed		6			
	Location	ı : Penthou	se Mechanical Roo	m				
Terminal Devices								
Air Handler	70%			2024	\$113,600	1	\$5,300	
Convector/Radiator	25%		\$1,500	2029	* *	1	\$900	
	-	-	nt : Severe, Area Aj					
		ı : Through	out, Defective Hot	Water Ra	diator And Air Ha	ndler Ter	nperature Control	
	System							
Unit Heater - Steam	5%			2024	\$2,100	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Int Pkg Unit -	100%			2022	\$245,500	2	\$700	
Heating/Cooling								
Ventilation								
Distribution	4000/				de de		4.000	
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,800	
Exhaust Fans	0.007			2024	427 622	2	#2 ^ ^	
Interior	90%			2024	\$37,000	2	\$300	
Roof	10%			2024	\$1,900	2		
Plumbing								
H/C Water Piping	10007			2011	* *			
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	ir Future	Replacement	Maintenance		
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
lumbing						
Water Heater						
Gas Fired	100%	2023	\$7,000	2	\$200	
	Recent Installation, Exten	t : Light, Area Affected :	100%			
	Location : Penthouse M	echanical Room				
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Backflow Preventer						
Generic	100%	2024	\$2,900	1	\$700	
Fixtures						
Generic	100%					

Page: 28

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : BROOKLYN CENTRAL LIBRARY

Address : 1 GRAND ARMY PLAZA @ FLATBUSH AVE AND 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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$6,037,100	\$765,000
Interior Architecture	\$1,333,300	\$1,037,900
Electrical	\$1,805,900	\$3,687,700
Mechanical	\$4,389,100	\$6,259,100
Total	\$13,565,400	\$11,749,700
Importance Code A	\$6,037,100	\$765,000
Importance Code B	\$7,341,400	\$10,504,500
Importance Code C	\$186,900	\$480,200
Total	\$13,565,400	\$11,749,700

Total	\$193,200	\$258,800	\$262,400	\$228,000
Importance Code C				
Importance Code B	\$149,200	\$224,200	\$227,800	\$175,100
Importance Code A	\$44,100	\$34,700	\$34,700	\$53,000
Total	\$193,200	\$258,800	\$262,400	\$228,000
Elevators/Escalators	\$41,300	\$41,300	\$41,300	\$41,300
Mechanical	\$137,300	\$103,300	\$214,700	\$96,800
Electrical	\$5,300	\$4,700	\$6,400	\$42,500
Interior Architecture		\$109,500		\$29,200
Exterior Architecture	\$9,400			\$18,300
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022



 $[\]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

Architecture	Current Repair	Future Replacement	М		
ystem Component Type	% of Fail Date Estimated C Total (Years)	Sost Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
xterior					
Exterior Walls	20/	1100 **			
Bronze/Brass	2% 5%	LIFE ** LIFE **	_	¢10 000	
Masonry: Brick Masonry: Granite	5% Now \$245,90		5 5	\$18,800 \$14,100	
wasoniy. Grame	Cracking/Crumbling, Extent : Light		3	\$14,100	
	Location : Throughout Jnt Mortar Miss/Erod, Extent : Ligh	nt. Area Affected : 10%			
	Location: Throughout				
Masonry: Limestone	62% 0-2 \$2,816,50 Int Mortar Miss/Erod, Extent : Light Location : Throughout		5	\$174,900	
Metal Panel	5%	2047 **	5-10	\$129,300	
Metal Coiling Doors	2% Now \$94,40 Broken/Missing Elements, Extent : I Location : Throughout		5	\$11,800	
Pre-Cast Concrete	10% Now \$137,40 Deteriorated Finish, Extent: Moder Location: Throughout Staining/Discoloring, Extent: Mode Location: Throughout	rate, Area Affected : 25%	5	\$122,200	
Stucco Cement	9% Now \$108,40 Other Observation, Extent: Light, A Location: At Overhead Doors Fac Explanation: Corroded Steel Lint	Area Affected : 25% cing Parking Area	5	\$42,300	
Windows	Zipiananien i Corroaca Sicci Zini				
Aluminum	15%	2043 **	5	\$5,100	
Bronze/Brass	60% Now \$1,586,90 Air Infiltration, Extent: Moderate, A Location: Throughout Ctrwt/Balnc Not Funct, Extent: Mo Location: Throughout	Area Affected : 20%	5	\$64,200	
	Hardware Missing, Extent : Modera Location : Throughout	ate, Area Affected : 20%			
Glass Block	10% Now \$56,70 Jnt Mortar Miss/Erod, Extent: Mod Location: South Facade Facing S Other Observation, Extent: Severe, Location: South Facade Facing S Explanation: Corroded Steel Supp	lerate, Area Affected : 50% econd Floor Roof Area Affected : 50% econd Floor Roof	5	\$2,100	
Steel	15% 0-2 \$296,80 Corrosion/Rusting, Extent: Modera Location: Stairs, Sections Of Sou Deteriorated Finish, Extent: Modera Location: Stairs, Sections Of Sou Thermally Inefficient, Extent: Mode Location: Stairs, Sections Of Sou	nte, Area Affected : 15% th Facades rate, Area Affected : 50% th Facades erate, Area Affected : 50%	5	\$32,100	

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 #: 2136

Architecture	Current R	epair	Future Replacement		Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Parapets	250/ NI	Φ52 500	LIEE	* *	-	60.200	
Masonry: Brick	25% Now Cracking/Crumbling, Location: Througho Int Mortar Miss/Erod, Location: Througho	ut Extent : Light, Ai		d : 10%	5	\$8,200	
Masonry: Limestone	65% Now Cracking/Crumbling, Location: Througho Jnt Mortar Miss/Erod, Location: Througho	ut Extent : Light, Ai			5	\$26,900	
Stucco Cement	10% Now Cracking/Crumbling, Location: Througho		2040 ea Affected	* * d : 10%	5	\$4,200	
Roof							
Asphalt Macadam	15% Recent Replace Evider Location : Througho	_	2037 Area Affe	* * cted : 100%	5	\$36,600	
Modified Bitumen	73% Recent Replace Evider Location: Througho	_	2037 Area Affe	* * cted : 100%	10	\$267,300	
Plaza Roof: Stone Panel	s 10%		2047	* *			
Skylight, Metal/Glass	2% Now Corrosion/Rusting, Ex Location: At Third I Glazing Broken/Crack Location: At Third I	Floor Roof Over A ed, Extent : Mode	ert And Mi	usic Areas a Affected : 10%			
Interior							
Floors	1.50/		2026	¢1 400 600	2	Ø1.50.400	
Carpet	15%		2026	\$1,499,600 * *	3 5	\$159,400	
Cast in Place Concrete Ceramic Tile	7% 10% Now Cracking/Crumbling, Location: Througho		LIFE 2036 ea Affected	* *	5	\$108,500 \$35,400	
Terrazzo	5%		LIFE	* *	5	\$27,700	
Terrazzo	2%		LIFE	* *	5	\$11,100	
Vinyl Tile	33% Now Adhesion Failure, Exte		2032 rea Affecte		3	\$87,700	
	Location: Language Cracking/Crumbling, Location: Language Loose Units, Extent: M Location: Language	Extent : Moderate Literature, Socia Moderate, Area Aj	r, Area Aff I Science, ffected : 2	fected : 25% Book Storage Ard 0%	eas		
Vinyl Tile	28%		2032	* *	3	\$74,400	
, my 1 me	2070		2032			Ψ/π,που	

Maintenance \$ are aggregated over a ten-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		Futur	Future Replacement		Maintenance		
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	* *			
Concrete Masonry Unit	5%			LIFE	* *	5	\$14,800	
Glass: Single Pane	5%			LIFE	* *	5	\$27,700	
Gypsum Board	20%			LIFE	* *	5	\$88,800	
Masonry: Brick	5%			LIFE	* *			
Marble Panels	2%	Now	\$130,400	LIFE	* *			
	Broken/M	issing Elem	ents, Extent : Mod	erate, Ar	ea Affected : 10%			
	Location	: At Audite	orium Exit					
	Cracking/	Crumbling,	Extent : Moderate	, Area A <u>f</u>	fected : 10%			
	Location	: At Audite	orium Exit					
Plaster	43%	Now	\$56,400	LIFE	* *	5	\$95,500	
	Cracking/	Crumbling,	Extent : Moderate	, Area A <u>f</u>	fected : 5%		•	
	Location	: Balcony	Corridor Facing L	obby				
Wood	10%			LIFE	* *	5	\$296,000	
	Recent Re	place Evide	ent, Extent : Light,		ected : 10%	-	*	
		ı : New Aud						
Ceilings								
AcousTileConcealSpLn	15%			2040	* *	5	\$118,400	
AcousTileConcealSpLn	20%	0-2	\$56,500	2032	* *	5	\$78,900	
•	Cracking/	Crumbling,	Extent : Light, Are	ea Affecte	ed : 10%		•	
	Location	: Through	out					
AcousTileSusp.Lay-In	10%			2040	* *	5	\$63,200	
Exposed Concrete	10%			LIFE	* *	5	\$9,900	
Gypsum Board	15%			LIFE	* *	5	\$118,400	
Plaster	30%			LIFE	* *	5	\$118,400	

Electrical	Current Repair	Future Replacem	ment Maintenance					
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated FY	Cost	Cycle (Yrs)	Estimated Cost	Priority		
Jnder 600 Volts								
Service Equipment								
Molded Case Bkrs	50%	2053	* *	5	\$4,600			
	Other Observation, Extent: Moderate, Area Affected: 100%							
	Location : Electrical Room							
	Explanation: 4000 Amperes Main Dis	connect Switch						
Molded Case Bkrs	50%	2053	* *	5	\$4,600			
	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location : Electrical Room							
	Explanation: 4000 Amperes Main Dis	sconnect Switch						
Transformers								
Dry Type	100%	2044	* *	5	\$1,300			
	Other Observation, Extent : Moderate, A	Area Affected : 100%						
	Location : Electrical Room							
	Explanation: Two 500 Kva 208/120 F	ri - 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		Futui	re Replacement	Maintenance			
System Component Type	% of Fail Da Total (Year	ate Estimated Cost (s)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts			-					
Switchgear / Switchboard								
Molded Case Bkrs	50%		2053	* *	5	\$4,600		
Molded Case Bkrs	50%		2053	* *	5	\$4,600		
Raceway								
Conduit	80%		2027	\$199,200	1			
Conduit	20%		2053	* *	1			
Panelboards								
Fused Disc Sw	10%		2026	\$14,900	5	\$800		
Molded Case Bkrs	60%		2026	\$89,200	5	\$5,500		
Molded Case Bkrs	30%		2049	* *	5	\$2,800		
Wiring	200/ 2.4	Φ 7.4 .000	20.52	de de				
Braided Cloth	30% 2-4	\$74,900	2052	**	1			
	Location : Throi	Extent : Moderate, Are ughout	ea Affecte	ed : 100%				
Thermoplastic	50%		2027	\$124,800	1			
Thermoplastic	20%		2053	* *	1			
Motor Controllers								
Locally Mounted	70%		2025	\$467,600	5	\$1,700		
Variable Frequency Drive	30%		2044	* *				
Ground Grounding Devices								
Generic	100%		LIFE	* *	5	\$5,100		
	Other Observation Location: Baser Explanation: W		Area Affe	ected : 100%				
Lighting Interior Lighting	•							
Fluorescent		n, Extent : Moderate, ughout The Building sing T-8 Lamps	2027 Area Affe	\$2,518,000 ected : 100%	10	\$208,700		
Fluorescent	20%		2035	* *	10	\$64,200		
	Other Observation Location: Throu Explanation: T-	_	Area Affe	ected : 100%				
Fluorescent	5%	-	2035	* *	10	\$16,100		
Tuorescent	T-5 Lamps And Fi	xtures, Extent : Mode ughout The Building		a Affected : 100%	10	ψ10,100		
Fluorescent	5%		2022	\$193,700	10	\$16,100		
	Other Observation Location: Thro	n, Extent : Moderate, ughout The Building isng T-12 Lamps		•				
LED	5%	1 12 Ешпро	2035	* *				
LED	370		2033					

Maintenance \$ are aggregated over a ten-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

\$76,100 * * \$22,100		Estimated Cost	Priority
\$76,100 * * * *	(Yrs)		Priority
* *		¢9.400	
* *		¢0.400	
* *		60.400	
* *	10	¢0.400	
	1	\$8,400	
\$22,100	1		
	1		
\$1,461,100	10	\$1,100	
* *	1	\$13,100	
* *	1-3	\$21,600	
e Replacement	Ma	aintenance	
Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
	e Replacement	re Replacement M Estimated Cost Cycle	re Replacement Maintenance Estimated Cost Cycle Estimated Cost

Mechanical	Current Repair	Future I	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year E	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Heating							
Energy Source Interruptible Gas/Dual	100%	2047	* *	1			
Fuel							
	Other Observation, Extent : Light Location : Basement	t, Area Affected : I	100%				
	Explanation: One Tank Of 15,0	000 Gallons					
Conversion Equipment							
Steam Boiler	100%	2040	* *	1	\$346,600		
	Other Observation, Extent: Light, Area Affected: 100%						
	Location: Basement						
	Explanation: 3 Boilers						
Distribution							
Central Plant Steam	100%	2037	* *	4	\$17,300		
Piping/Pmp							
Terminal Devices							
Air Handler	60%	2022	\$3,057,300	1	\$129,900		
Convector/Radiator	40%	2032	* *	1	\$45,200		
Air Conditioning							
Energy Source							
Electricity	30%	2035	* *	1			
Steam/HW System	70%	2037	* *	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 #: 2136

Mechanical	Current Repair Future Replacement		e Replacement	Maintenance				
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning Conversion Equipment Reciprocating Compr/Chiller	85%			2035	* *	1	\$138,000	
•			Extent : Light, Area Penthouse	Affected	! : 100%			
Exterior Pkg Unit - Cooling	15%			2027	\$440,200	2	\$3,200	
	Location	ervation, E : Various tion : Split		Affected	: 15%			
Distribution CW & CHW Wtr Pipe/Pump	100%			2037	* *	4	\$17,300	
Terminal Devices Air Handler/Cool/Ht	100%			2027	\$4,064,200	1	\$216,400	
Heat Rejection Air Cooled Condenser Unit	15%			2027	\$109,600	2	\$36,600	
Water Cooling Tower	Leak Evid		\$23,400 : Severe, Area Affe The Cooling Towers		\$1,168,900	2	\$239,500	
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$195,200	
Exhaust Fans Interior	Noisy/Vibi	Now rating, Exte	\$61,200 ent : Moderate, Ared om	2022 a Affected	\$1,224,800 d:5%	2	\$8,100	
Roof	5%			2027	\$30,100	2	\$500	
Plumbing H/C Water Piping Galvanized Steel	100%			2032	* *	1		
Water Heater Gas Fired	100%			2025	\$221,000	2	\$5,100	
Sanitary Piping Cast Iron	100%			LIFE	**	1	*-,	
Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
Sump Pump(s) Non-Submersible	100%			2027	\$55,300	4	\$11,100	
Sewage Ejector(s) Compressed Air Fixtures	100%			2027	\$67,500	4	\$5,300	
Generic Vertical Transport	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 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
Vertical Transport						
Elevators						
Geared Traction	100%	LIFE	* *			
	Other Observation, Exten	t : Light, Area Affected	: 100%			
	Location : Various Loca	utions				
	Explanation : Seven Un	its				
Escalators						
Under 20' Rise	100%	LIFE	* *			
	Other Observation, Exten	t : Light, Area Affected	: 100%			
	Location: 1-2					
	Explanation: Two Unit	S				
Fire Suppression						
Standpipe						
Generic	100%	2047	* *	1-5	\$176,500	
Sprinkler						
No Component	60%					
Generic	40%	2047	* *	1-2	\$39,200	

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$119,600	
Electrical		\$110,500
Mechanical		\$252,300
Total	\$119,600	\$362,800
Importance Code B	\$119,600	\$362,800
Total	\$119,600	\$362,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,100	\$1,400		
Interior Architecture				\$1,700
Electrical	\$14,300	\$1,200	\$1,000	\$1,100
Mechanical	\$10,100	\$2,400	\$3,000	\$2,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$30,400	\$9,000	\$7,900	\$9,200
Importance Code A	\$2,700	\$2,000	\$500	\$500
Importance Code B	\$27,700	\$7,000	\$7,400	\$8,700
Importance Code C				
Total	\$30,400	\$9,000	\$7,900	\$9,200



 $[\]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 #: 13238

Architecture	Current Repair		Futur	Replacement	М		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls					_	***	
Masonry: Brick	85% Recent Repair Evider Location : Through	_	LIFE rea Affec	* * ted : 25%	• 5	\$21,000	
Masonry: Granite	5%		LIFE	* *	5	\$900	
Masonry: Limestone	10% Recent Repair Evider Location : Cornices	· ·	LIFE	* * ted : 25%	5	\$1,900	
Windows							
Aluminum	100%		2040	* *	5	\$2,900	
Parapets							
Masonry: Brick	80% Recent Repair Evider Location : Through		LIFE rea Affec	* * ted : 25%	5	\$2,300	
Metal Rail	10% Recent Installation, E Location: Through	_	2044 Affected	* *	5-10	\$5,200	
Pre-Cast Concrete	10% Recent Replace Evide Location : Through	_	LIFE Area Affe	* * cted : 100%	5	\$1,800	
Roof Modified Bitumen	100%		2034	* *	10	\$17,100	
	Recent Replace Evide Location : Through		Area Affe	cted : 100%			
nterior							
Floors							
Cast in Place Concrete	20%		LIFE	* *	5	\$8,100	
Ceramic Tile	5%		2033	* *	3	\$900	
Vinyl Tile	75% Now Cracking/Crumbling, Location: Through Worn/Eroded, Extent Location: Through	out : Moderate, Area A			3	\$5,200	
Interior Walls	Location . Infongit						
Ceramic Tile	5%		2033	* *	5	\$1,400	
Concrete Masonry Unit			LIFE	* *	5	\$500	
•	50%		LIFE	* *		\$8,200	
Gypsum Board	10%			* *		\$0,200	
Masonry: Brick Plaster	30%		LIFE LIFE	* *		\$2,500	
·	3070		LIFE		3	\$2,300	
Ceilings Gypsum Board	50%		LIFE	* *	: 5	\$11,600	
• •					5		
Plaster	50%		LIFE	* *	5	\$5,800	

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

Maintenance \$ are aggregated over a ten-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	
Under 600 Volts									
Service Equipment	1000/			2024	* *	_	#200		
Molded Case Bkrs	100%	amustion E	xtent : Moderate, A	2034		5	\$300		
		ervanon, E : Basemen		теа Ајје	ciea . 100%				
			iin Service Disconi	nect Rate	d @ 200 Amperes	Each			
Switchgear / Switchboard	<i>T</i>								
Molded Case Bkrs	100%			2034	* *	5	\$300		
Raceway									
Conduit	100%			2034	* *	1			
Panelboards									
Fused Disc Sw	50%			2032	* *	5	\$100		
Molded Case Bkrs	50%			2032	* *	5	\$100		
Wiring	200/	2.4	ΦΩ 400	20.40	* *	1			
Braided Cloth	30%	2-4	\$8,400 nt : Moderate, Are	2049		1			
		_	ni . Moderdie, Are out The Building	и Ајјесте	a. 100%				
Thomas anlogtic	70%	. Imougn	Jui The Building	2034	* *	1			
Thermoplastic Motor Controllers	/070			2034		1			
Locally Mounted	100%			2029	* *	5	\$100		
Ground	10070			2027			ψ100		
Grounding Devices									
Generic	100%			LIFE	* *	5	\$200		
Lighting									
Interior Lighting									
Fluorescent	66%			2024	\$70,300	10	\$6,400		
			xtent : Moderate, A	Area Affe	cted : 100%				
		_	out The Building						
TI.		tion : T-12	Lamps	2020	* *	10	Ф2 000		
Fluorescent	30%	amintian E	xtent : Moderate, A	2029		10	\$2,900		
		ervanon, E : Basemen		trea Ajje	ciea : 100%				
		tion : T-8 L							
Fluorescent	4%		штрь	2029	* *	10	\$400		
Tuorescent		ervation. E	xtent : Moderate, A		cted : 100%	10	Ψτου		
		: Boiler R							
	Explana	tion : Comp	act Fluorescent Li	ght Fixti	ıres				
Egress Lighting									
Emergency, Battery	50%			2029	* *	10	\$1,300		
Exit, Service	50%			2029	* *	1			
Exterior Lighting									
HID	100%			2024	\$40,200	10			
Alarm									
Security System Generic	100%			2032	* *	1	\$3,900		
Generic		ervation F	xtent : Moderate, A			1	\$3,900		
			xiem . Moderdie, F out The Building	пси пује	cica . 100/0				
			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	Mair	ntenance					
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle I (Yrs)	Estimated Cost	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 Pull Stations									

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									
Energy Source									
Natural Gas	100%			2044	* *	1			
			Extent : Severe, Ared						
			The Boiler Room, E						
	Explanat	ion : No Ve	ent For Gas Meter	Room					
Conversion Equipment									
Hot Water Boiler	100%			2041	* *	1	\$5,200		
			Extent : Light, Area	Affected	: 100%				
			t Boiler Room						
	Explanat	ion : 1 Uni	it						
Distribution									
Hot Wtr Piping/Pump	100%			2040	* *	4	\$800		
Terminal Devices									
Air Handler	40%			2024	\$56,000	1	\$2,600		
Convector/Radiator	60%			2029	* *	1	\$2,000		
Air Conditioning									
Energy Source									
Electricity	100%			2040	* *	1			
Conversion Equipment									
Reciprocating Compr/Chiller	100%	Now	\$8,500	2024	\$84,600	1	\$4,400		
	Not in Service, Extent : Severe, Area Affected : 100%								
	Location : Facility In Back Yard (Not Accessible)								
	Other Obs	ervation, E	Extent : Light, Area	Affected	: 100%				
	Location	: 1st And 2	2nd Floor						
	Explanat	ion : 4 Por	table Units Being V	Used					
Distribution CW & CHW Wtr Pipe/Pump	100%			2034	* *	4	\$500		
Terminal Devices									
Air Handler/Cool/Ht	100%			2024	\$111,700	1	\$6,500		
Heat Rejection	10070			2021	Ψ111,700	-	Ψ0,200		
Not Accessible	100%								
Ventilation	10070								
Distribution									
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$5,900		
Duct world Diffusers	10070			211 1			ψ5,700		

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

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

Asset #: 13238

Mechanical		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
Ventilation								
Exhaust Fans								
Interior	60%			2024	\$21,300	2	\$200	
Roof	40%			2024	\$6,600	2	\$100	
Plumbing		•		•	_			
H/C Water Piping								
Brass/Copper	100%			2034	* *	1		
Water Heater								
Gas Fired	100%			2023	\$6,100	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, E	Extent : Light, Area	Affected	: 100%			
	Location	e: B, 1, 2						
	Explana	tion : One l	Unit					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$161,600	
Interior Architecture	\$88,400	
Electrical	\$218,500	
Mechanical		\$224,400
Total	\$468,500	\$224,400
Importance Code A	\$161,600	
Importance Code B	\$306,900	\$224,400
Total	\$468,500	\$224,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$26,000			\$22,100
Interior Architecture	\$17,500	\$1,300		\$200
Electrical	\$72,200	\$900	\$900	\$16,400
Mechanical	\$4,800	\$2,400	\$3,800	\$8,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$124,500	\$8,500	\$8,600	\$50,700
Importance Code A	\$26,600	\$500	\$500	\$22,600
Importance Code B	\$96,400	\$8,000	\$8,100	\$28,100
Importance Code C	\$1,500			
Total	\$124,500	\$8,500	\$8,600	\$50,700



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 #: 13239

Architecture	Current	Current Repair		Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior							
Exterior Walls							
Cast Stone/Terra Cotta	10% Now	\$37,300	LIFE	* *	5	\$17,700	
	Cracking/Crumbling		, Area Aj	fected: 5%			
	Location : Column Jnt Mortar Miss/Ero		a Araa /	Affacted : 150/			
	Location: Main Er		е, Агеа Е	gjeciea . 1576			
Masonry: Brick	90% 0-2	\$124,300	LIFE	* *	5	\$20,300	
	Efflorescence, Exten		Affected .	: 30%			
	Location : Through						
	Spalling, Extent : Mo Location : Through		ed : 15%	Ó			
Windows							
Wood	100%		2032	* *	5	\$44,200	
Parapets	100/	44.400		di di	_	04.400	
Cast Stone/Terra Cotta	10% 0-2	\$1,400	LIFE	**	5	\$1,400	
	Cracking/Crumbling Location : Front Fo		а Ајјест	2a : 10%			
Masonry: Brick	10% Now	\$1,100	LIFE	* *	5	\$200	
	Cracking/Crumbling		-				
	Location : Interior						
	Spalling, Extent : Mo	. 55					
	Location: Interior						
	Other Observation, I Location : Interior		00				
	Explanation : Stuce		soum si	aes			
Masonry: Brick	80% Now	\$8,400	LIFE	* *	5	\$1,400	
Masonly. Blick	Jnt Mortar Miss/Ero			Affected : 15%	3	\$1,400	
	Location : Various						
	Water Penetration, E						
	Location : Various						
Roof							
Modified Bitumen	95%		2029	* *	10	\$14,400	
	Patching Evident, Ex		ea Affec	ted : 20%			
	Location: Through	out					
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 Repair			Futur	Future Replacement		Maintenance	
vstem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior								
Floors								
Cast in Place Concrete	_	Now	\$400	LIFE	* *	5	\$1,500	
		_	, Extent : Moderate at Mechanical Roor	-	ffected : 10%			
Ceramic Tile	5%			2033	* *	5	\$700	
Sheet Vinyl/Rubber	5%			2029	* *	5	\$1,000	
Vinyl Tile	75%			2029	* *	3	\$3,800	
Vinyl Tile		Now	\$11,600	2034	* *	3	\$500	
	_	_	Extent: Severe, A	rea Affec	ted : 25%			
			ıt, Lunch Room					
	_		nt, Extent : Modera	te, Area	Affected : 20%			
	Location	ı : Basemer	ıt, Lunch Room					
Interior Walls								
Ceramic Tile	5%			2033	* *	5	\$900	
Plaster	10%		\$1,500	LIFE	* *	5	\$500	
	_	_	Extent: Moderate	-				
			nt Corridor, Mezzar					
	_	_	Extent : Moderate	, Area Aj	ffected: 15%			
		ı : Mezzanii		1.00	1 50/			
		etration, E. ı : Mezzanii	xtent : Moderate, A ne Office	rea Affe	cted : 5%			
Plaster	85%			LIFE	* *	5	\$4,600	
Ceilings								
A cous Tile Conceal SpLn	80%		\$88,400	2044	* *	5	\$6,700	
	_	Crumbling, 1 : South Wa	Extent : Moderate all	, Area Aj	ffected : 15%			
	_	Discoloring, 1 : First Flo	Extent : Moderate oor	, Area Aj	ffected : 50%			
			: Moderate, Area A	Affected :	50%			
		ı : First Flo		ijjeerea .	3070			
Plaster		Now	\$3,600	LIFE	* *	5	\$1,700	
Flasici			\$3,000 Extent : Moderate			3	\$1,700	
	_	crumbung, ı : Mezzanii		, 111еи Ај	јестей . 20/0			
			Extent : Moderate	Area A	ffected · 15%			
	_	i scoloring, 1 : Mezzanii		, 1110и П	Jeereu . 15/0			

Electrical	Current Repair		Future Replacement		Ma			
System Component Type		ail 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 F	Future Replacement		Maintenance		
System Component Type	% of Fail Date Estima Total (Years)	nted Cost Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Service Equipment	500/	2024	фооо	-			
Fused Disc Sw	50%	2024	\$800	5			
	Other Observation, Extent : Macation : Electrical Room	Aoderate, Area Affecte	a: 100%				
	Explanation: One 200 Amp	eres Main Disconnect	Switch				
Molded Case Bkrs	50%	2024	\$800	5	\$100		
	Other Observation, Extent : M				4-00		
	Location : Electrical Room						
	Explanation: One 350 Amp	eres Main Disconnect					
Switchgear / Switchboard							
Molded Case Bkrs	100%	2024	\$32,700	5	\$300		
Raceway Conduit	200/	2044	* *	1			
	20% 80%	2044		1			
Conduit	80%	2024	\$25,400	1			
Panelboards Fused Disc Sw	5%	2023	\$800	5			
Molded Case Bkrs	75%	2023	\$11,400	5 5	\$200		
Molded Case Bkrs	20%	2040	\$11,400 * *	5	\$200 \$100		
Wiring	2070	2040			\$100		
Braided Cloth	80% 2-4	\$22,500 2049	* *	1			
Braided Ciotii	Insulation Aged, Extent: Mod		100%	1			
	Location: Throughout The						
Thermoplastic	20%	2044	* *	1			
Motor Controllers	•						
Locally Mounted	50%	2022	\$15,300	5			
Locally Mounted	50%	2037	* *	5			
Ground							
Grounding Devices							
Generic	100%	LIFE	* *	5	\$200		
Lighting							
Interior Lighting			*		**		
Fluorescent	99%	2019	\$106,800	10	\$9,700		
	Other Observation, Extent: N		d: 100%				
	Location: Throughout The Explanation: T-12 Lamps	винаing					
I 1	1%	2010	¢1 100				
Incandescent	1%0	2019	\$1,100	2			
Egress Lighting Emergency, Battery	50%	2024	\$7,300	10	\$1,300		
Exit, Service	50%	2024	\$800	10	\$1,300		
Exterior Lighting	3070	2024	\$600	1			
HID	50%	2019	\$20,400	10			
Incandescent	50%	2019	\$17,300	2			
Alarm	- • • •	2017	<i>\$27,500</i>				
Security System							
No Component	30%						
Generic	70%	2032	* *	1	\$2,800		

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

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

Asset #: 13239

Current	Repair	Futur	e Replacement	М	aintenance	
% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
100%		2019	\$111,600	1-3	\$6,800	
	% of Fail Date Total (Years)	Total (Years)	% of Fail Date Estimated Cost Year Total (Years)	% of Fail Date Estimated Cost Total (Years) Year Estimated Cost FY	% of Fail Date Estimated Cost Total (Years) Year Estimated Cost FY (Yrs)	% of Fail Date Estimated Cost Total (Years) Year Estimated Cost (Yrs) Cycle Estimated Cost (Yrs)

% of Fa								
	il Date Esti Years)	mated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
					1			
		_	Affected	: 5%				
	-							
Explanation	: Discontinu	ied Oil Tank S	till In Ba	sement Vault				
1000/				de de		4.7.4 00		
					1	\$5,300		
		_	Affected	: 100%				
		ler Room						
Explanation	: I Unit							
1000/			2022	* *	4	Ф000		
100%			2032	* *	4	\$800		
600/			2024	Φ0 5.2 00	1	# 4.000		
					l	·		
40%			2029	* *	1	\$1,400		
1000/			2040	* *	1			
100%			2040	4. 4.	1			
700/			2024	¢(0,000	1	¢2.500		
/0%			2024	\$60,000	1	\$3,500		
200/			2024	\$24.500	2	\$200		
30%			2024	\$24,300	2	\$200		
700/			2024	\$70.200	1	\$4,600		
			2024	\$79,300	1	\$4,000		
3070								
709/			2020	* *	2	\$5,200		
7070			2029		2	\$3,200		
30%								
3070								
100% N	Now	\$1,900	LIFE	* *	2-5	\$5,900		
				ed : 5%	2 3	Ψ5,700		
	_							
		,	- 55					
75%			2029	* *	2.	\$200		
				\$4,200				
	Location : A Explanation 100% Other Observ Location : E Explanation 100% 60% 40% 100% 70% 30% 70% 30% 100% 100% Insul. Deterio	Other Observation, Extent Location: Adjacent To B Explanation: Discontinue 100% Other Observation, Extent Location: Basement Boi Explanation: 1 Unit 100% 60% 40% 70% 30% 70% 30% 100% Now Insul. Deteriorating, Extent Location: Water Leaking	Other Observation, Extent: Light, Area Location: Adjacent To Boiler Room Explanation: Discontinued Oil Tank St. 100% Other Observation, Extent: Light, Area Location: Basement Boiler Room Explanation: 1 Unit 100% 60% 40% 70% 30% 70% 30% 100% Now \$1,900 Insul. Deteriorating, Extent: Severe, Are Location: Water Leaking Into Upper L.	Other Observation, Extent: Light, Area Affected Location: Adjacent To Boiler Room Explanation: Discontinued Oil Tank Still In Bate 100% 2037 Other Observation, Extent: Light, Area Affected Location: Basement Boiler Room Explanation: 1 Unit 100% 2032 60% 2024 40% 2029 100% 2040 70% 2024 30% 2024 30% 2024 70% 2024 30% 2029 100% Now \$1,900 LIFE Insul. Deteriorating, Extent: Severe, Area Affected Location: Water Leaking Into Upper Level Offit 75% 2029	Other Observation, Extent: Light, Area Affected: 5% Location: Adjacent To Boiler Room Explanation: Discontinued Oil Tank Still In Basement Vault 100% 2037 ** Other Observation, Extent: Light, Area Affected: 100% Location: Basement Boiler Room Explanation: I Unit 100% 2032 ** 60% 2024 \$85,200 40% 2029 ** 100% 2040 ** ** 70% 2024 \$60,000 \$60,000 30% 2024 \$79,300 70% 2029 ** 30% 2029 ** 100% Now \$1,900 LIFE ** Insul. Deteriorating, Extent: Severe, Area Affected: 5% Location: Water Leaking Into Upper Level Office **	Other Observation, Extent: Light, Area Affected: 5% Location: Adjacent To Boiler Room Explanation: Discontinued Oil Tank Still In Basement Vault 100% 2037 ** 1 Other Observation, Extent: Light, Area Affected: 100% Location: Basement Boiler Room Explanation: I Unit 100% 2032 ** 4 60% 2024 \$85,200 1 40% 2029 ** 1 100% 2040 ** 1 70% 2024 \$60,000 1 30% 2024 \$60,000 1 30% 2024 \$79,300 1 70% 2024 \$79,300 1 30% 2029 ** 2 30% 2029 ** 2 Insul. Deteriorating, Extent: Severe, Area Affected: 5% Location: Water Leaking Into Upper Level Office	Other Observation, Extent: Light, Area Affected: 5% Location: Adjacent To Boiler Room Explanation: Discontinued Oil Tank Still In Basement Vault 100% 2037 ** 1 \$5,300 Other Observation, Extent: Light, Area Affected: 100% Location: Basement Boiler Room Explanation: 1 Unit 100% 2032 ** 4 \$800 60% 2024 \$85,200 1 \$4,000 40% 2029 ** 1 \$1,400 100% 2040 ** 1 \$3,500 30% 2024 \$60,000 1 \$3,500 30% 2024 \$24,500 2 \$200 70% 2024 \$79,300 1 \$4,600 30% 2029 ** 2 \$5,200 30% 2029 ** 2 \$5,900 Insul. Deteriorating, Extent: Severe, Area Affected: 5% \$5,900 Insul. Deteriorating, Extent: Severe, Area Affected: 5% \$2029 ** 2 \$200	

Plumbing

Maintenance \$ are aggregated over a ten-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

Mechanical	Current Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	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	\$6,200	2	\$200	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
	Other Observation, Extent : Moderate, A	Area Affe	cted : 10%			
	Location: Basement Boiler Room					
	Explanation: There Is No Drain In Bo	iler Roor	n			
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sewage Ejector(s)						
Electric	100%	2024	\$2,900	4	\$600	
	Other Observation, Extent : Light, Area	Affected	: 100%			
	Location: Basement Electric Room					
	Explanation: 1 Unit					
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Light, Area	Affected	: 100%			
	Location: B-1, 2					
	Explanation : One Unit					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : CANARSIE BRANCH LIBRARY
Address : 1580 ROCKAWAY PKWY @AVE J

Borough : BROOKLYN Agency's Number : 34

Area Sq Ft : 9,470 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 19-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Floors 1

Block : 8204 Lot : 68 BIN : 3230120

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$43,300		\$300	
Interior Architecture		\$1,600	\$6,700	
Electrical	\$400	\$500	\$500	\$10,200
Mechanical	\$500	\$500	\$1,300	\$27,100
Total	\$44,100	\$2,500	\$8,800	\$37,300
Importance Code A	\$43,800	\$500	\$800	\$500
Importance Code B	\$400	\$2,100	\$8,000	\$36,900
Importance Code C				
Total	\$44,100	\$2,500	\$8,800	\$37,300



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

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

BROOKLYN PUBLIC LIBRARY - 038 CANARSIE BRANCH LIBRARY

Asset #: 13620

Architecture		Current Repair		Futur	re Replacement	Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick		Now	\$9,300	LIFE	**	5	\$3,000	
			tent : Moderate, Ar		ted : 10%			
			cade, North Facade		atad . 100/			
		и Cracks, E n : North Fe	xtent : Moderate, A	trea Ajje	ciea : 10%			
Stucco Cement	65%		icute	2029	* *		¢14.100	
Windows	03%)		2029		5	\$14,100	
Aluminum	50%			2046	* *	5	\$600	
Aluminum	50%		\$26,900	2049	* *	5	\$300	
Manimum			Extent : Moderate,		fected : 50%	3	Ψ300	
		n : East Fac						
	Caulking	Deteriorate	d, Extent : Modera	te, Area	Affected : 25%			
		n : East Fac						
Parapets								
Not Accessible	100%)						
Roof								
Not Accessible	100%)						
Interior								
Floors	-0.4				di di	_	44.600	
Cast in Place Concrete	5%			LIFE	* *	5	\$1,600	
Ceramic Tile	5%			2033	* *	5	\$700	
Vinyl Tile	90%)		2032	* *	3	\$4,800	
Interior Walls	F0/			2022	* *	_	\$200	
Ceramic Tile	5% 10%			2033 LIFE	* *	5 5	\$200 \$200	
Concrete Masonry Unit	10% 85%			LIFE	* *	5 5	·	
Gypsum Board	83%)		LIFE		3	\$2,400	
Ceilings AcousTileSusp.Lay-In	95%			2041	* *	5	\$13,500	
Exposed Concrete	5%			LIFE	* *	5	\$13,300 \$100	
Exposed Concrete	370	,		LIIL			Ψ100	

Electrical	Current Repair	Future Replacement	Maintenance	
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated (Yrs)	l Cost Priority
nder 600 Volts				
Service Equipment				
Fused Disc Sw	100%	2024 \$1,500) 5	
	Other Observation, Extent : Moderate, A	Area Affected : 100%		
	Location : Electrical Room			
	Explanation : Main Service Switch Ra	ted 400 Amperes		
Switchgear / Switchboard				
Molded Case Bkrs	100%	2050 **	5	\$300
Raceway				
Conduit	100%	2050 **	1	
Panelboards				
Molded Case Bkrs	100%	2046 **	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.

BROOKLYN PUBLIC LIBRARY - 038 CANARSIE BRANCH LIBRARY

Asset #: 13620

Electrical	Current Repair	Future I	Replacement	Maintenance		
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year E FY		Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Wiring						
Thermoplastic	100%	2050	* *	1		
Ground						
Grounding Devices						
Not Accessible	100%					
Lighting						
Interior Lighting						
Fluorescent	100%	2032	* *	10	\$8,700	
	T-8 Lamps And Fixtures, Ex		ffected : 100%			
	Location : Throughout Th	e Building				
Egress Lighting						
Emergency, Battery	50%	2032	* *	10	\$1,100	
Exit, Service	50%	2032	* *	1		
Exterior Lighting						
HID	100%	2032	* *	10		
Alarm						
Security System						
Generic	100%	2032	* *	1	\$3,500	
	Other Observation, Extent:	Moderate, Area Affecte	ed : 100%			
	Location : Throughout Th	e Building				
	Explanation: CCTV Su	rveillance Cameras				

Mechanical	Current Re	oair Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Furnace	100%	2032	* *	1	\$4,700	
	Other Observation, Exte	ent : Light, Area Affectea	! : 100%			
	Location : Basement I	Equipment Room				
	Explanation: 2 Units					
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment Window/Wall Unit	100%	2022	\$18,700	1		
Ventilation						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$5,300	
Exhaust Fans						
Not Accessible	100%					
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.

BROOKLYN PUBLIC LIBRARY - 038 CANARSIE BRANCH LIBRARY

Asset #: 13620

Mechanical	Current Repair	Future I	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Water Heater						
Electric	100%	2022	\$7,900	4	\$100	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Non-Submersible	100%	2029	* *	4	\$200	
Fixtures						
Generic	100%					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$200,800	
Interior Architecture		\$81,200
Electrical	\$175,200	\$59,100
Total	\$376,000	\$140,200
Importance Code A	\$200,800	
Importance Code B	\$175,200	\$140,200
Total	\$376,000	\$140,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$44,800			\$19,900
Interior Architecture	\$49,100		\$1,200	\$900
Electrical	\$30,500	\$600	\$700	\$31,200
Mechanical	\$2,000	\$1,700	\$2,700	\$9,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$130,400	\$6,200	\$8,500	\$65,800
Importance Code A	\$45,700	\$700	\$700	\$20,600
Importance Code B	\$67,700	\$5,500	\$7,800	\$45,100
Importance Code C	\$17,000			
Total	\$130,400	\$6,200	\$8,500	\$65,800



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

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

Asset #: 13241

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	000/	0.0	#2 00 000		de de	_	#22 000	
Masonry: Brick			\$200,800 d, Extent : Moderat		* * Affected : 25%	5	\$32,900	
			Locations Through					
		_	ht, Area Affected : Locations Through					
Masonry: Limestone	5%			LIFE	* *	5	\$1,300	
Masonry: Sandstone		Now Crumbling, : Base Thi	\$25,000 Extent : Moderate roughout	LIFE , Area A <u>f</u>	* * ffected : 25%	5	\$800	
		am Surface : Base Thi	e, Extent : Moderat coughout	e, Area A	ffected : 25%			
		ervation, E : Building	Extent : Moderate, A Base	Area Affe	cted : 100%			
	Explanat	ion : This	Is Actually Bluestor	ne				
Windows	000/			•		_	** • • • •	
Aluminum	80%			2032	* *	5	\$3,900	
Steel	20%			2032	* *	5	\$12,000	
Parapets Masonry: Brick	Spalling, E	Now Extent : Mo : Exterior	\$19,800 derate, Area Affect Face	LIFE ed: 30%	**	5	\$1,700	
Masonry: Limestone	30%			LIFE	* *	5	\$900	
Roof							** **	
Modified Bitumen		place Evide : Through	ent, Extent : Light, . out, 2012	2032 Area Affe	* * ected : 100%	10	\$12,000	
nterior								
Floors								
Cast in Place Concrete	2%			LIFE	* *	5	\$600	
Ceramic Tile		0-2 ssing Elem : Bathroon	\$900 ents, Extent : Mode ns	2027 erate, Ar	\$8,500 ea Affected : 20%	5	\$200	
Marble Panels	5%			LIFE	* *	5	\$500	
Vinyl Tile	65%			2024	\$81,200	3	\$3,500	
Vinyl Tile	25%	Now	\$31,200	2034	* *	3	\$1,400	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10% Location : Basement							
	Cracking/Crumbling, Extent : Moderate, Area Affected : 25% Location : Basement, 1st Floor							
	Location	: Basemen						
			: Moderate, Area A nt, 1st Floor	Affected :	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 #: 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	\$17,000	LIFE	* *	5	\$6,300	
	Cracking/	Crumbling,	Extent : Light, Are	a Affecte	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		Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date Estir (Years)	nated 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	ervation, Extent :	: Moderate, 1	Area Affe	cted : 100%			
	Location	: Electrical Room	m					
	Explanati	on : One 500 An	nperes Main	Disconn	ect Switch			
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$32,700	5	\$400	
Raceway								
Conduit	5%			2044	* *	1		
Conduit	95%			2024	\$30,200	1		
Panelboards								
Fused Disc Sw	5%			2023	\$800	5		
Molded Case Bkrs	95%			2023	\$14,400	5	\$400	
Wiring								
Braided Cloth	30%	2-4	\$8,400	2049	* *	1		
	Insulation 1	Aged, Extent : M	oderate, Are	a Affecte	ed: 100%			
	Location	: Throughout Th	e Building					
Thermoplastic	60%			2024	\$16,900	1		
Thermoplastic	10%			2044	* *	1		
Motor Controllers								
Locally Mounted	100%			2022	\$30,600	5	\$100	
Ground							· · · · · · · · · · · · · · · · · · ·	
Grounding Devices								
Generic	100%			LIFE	* *	5	\$200	
Lighting								

Lighting

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

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

Asset #: 13241

Electrical	Current Repair	Futur	e Replacement	ent Maintenance			
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Lighting							
Interior Lighting							
Fluorescent	10%	2029	* *	10	\$1,300		
	Other Observation, Extent : M Location : Mezzanine Explanation : T-8 Lamps	loderate, Area Affe	cted : 100%				
Fluorescent	85%	2019	\$121,300	10	\$11,000		
	Other Observation, Extent : M Location : Throughout The E Explanation : T-12 Lamps		cted : 100%				
Incandescent	5%	2019	\$7,100	2			
Egress Lighting							
Emergency, Battery	50%	2029	* *	10	\$1,700		
Exit, Service	50%	2029	* *	1			
Exterior Lighting							
HID	100%	2019	\$53,800	10			
Alarm							
Security System							
No Component	50%						
Generic	50%	2024	\$21,600	1	\$2,600		
Fire/Smoke Detection No Component	60%						
Generic	40%	2024	\$59,100	1-3	\$3,500		

echanical		Current R	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of I Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
ating								
Energy Source								
Natural Gas	100%			2034	* *	1		
	Other Obse	rvation, E	xtent : Light, Area	Affected	: 100%			
	Location :	Sub-base	ment					
	Explanation	on : Old O	il Tank Abandone	d In Plac	e			
Conversion Equipment								
Hot Water Boiler	100%			2029	* *	1	\$7,000	
	Other Obse	rvation, E	xtent : Light, Area	Affected	: 100%			
	Location:	Sub-base	ment					
	Explanation	on : 1 Gas	Fired Hot Water	Boiler				
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$400	2032	* *	4	\$700	
	Malfunction	ing, Exter	it : Moderate, Are	a Affecte	d: 100%			
	Location :	Sub-base	ment, Defective P	ump Mot	or Bearings			
Terminal Devices								
Air Handler	50%			2029	* *	1	\$4,400	
Convector/Radiator	50%			2037	* *	1	\$2,300	

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 #: 13241

Mechanical	Current Repair	Future	Replacement	M	aintenance		
System Component Type	% of Fail Date Estimat Total (Years)	ed 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							
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$7,800		
Exhaust Fans							
Wall Unit	100%	2024	\$4,800	2	\$400		
Plumbing							
H/C Water Piping							
Brass/Copper	100%	2034	* *	1			
Water Heater							
Gas Fired	100%	2022	\$8,100	2	\$200		
Sanitary Piping							
Cast Iron	100%	LIFE	* *	1			
Storm Drain Piping							
Cast Iron	100%	LIFE	* *	1			
Sump Pump(s)							
Non-Submersible	100%	2032	* *	4	\$400		
	Recent Replace Evident, Extend Location: Sub-basement	t : Light, Area Affec	cted : 100%				
Backflow Preventer							
Generic	100%	2029	* *	1	\$900		
Fixtures							
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%	LIFE	* *				
-	Other Observation, Extent : Li Location : B-1	ght, Area Affected :	100%				
	Explanation : One Unit						
	Елрининоп . Оне Они						

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : CLARENDON BRANCH LIBRARY

Address : 2035 NOSTRAND AVE. @ FARRAGUT RD.

Borough : BROOKLYN Agency's Number : 33

Area Sq Ft : 7,800 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 13-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 5005 Lot : 33 BIN : 3327822

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$156,200	
Electrical		\$161,000
Mechanical	\$157,400	\$88,500
Total	\$313,600	\$249,400
Importance Code A	\$156,200	
Importance Code B	\$157,400	\$249,400
Total	\$313,600	\$249,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$700	\$200		\$3,300
Interior Architecture		\$600		\$2,400
Electrical	\$1,000	\$700	\$900	\$800
Mechanical	\$800	\$1,200	\$1,400	\$5,500
Total	\$2,500	\$2,700	\$2,300	\$12,100
Importance Code A	\$1,200	\$500	\$400	\$3,700
Importance Code B	\$1,300	\$2,200	\$1,900	\$8,400
Importance Code C				
Total	\$2,500	\$2,700	\$2,300	\$12,100



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 CLARENDON BRANCH LIBRARY

Asset #: 13240

Architecture		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	97%			LIFE	* *	5	\$12,800	
Pre-Cast Concrete	3%	1		LIFE	* *	5	\$1,300	
Windows						_		
Aluminum	100%	1		2040	* *	5	\$300	
Parapets	000/					_	Φ. 7. 7.0.0	
Masonry: Brick	80%			LIFE	* *	5	\$5,500	
Metal Panel	5%			2044	* *	5	\$1,300	
Metal: Cage/Fence	15%	1		2037	* *	5-10	\$8,000	
Roof	000/).T	Φ 5 0.600	2024	* *			1
Modified Bitumen			\$59,600 ere, Area Affected : out	2034 25%	* *			1
	Location Worn/Erod	n : Through	: Moderate, Area A					
Skylight, Metal/Glass	Broken/M Location Water Pen	n : Through	xtent : Moderate, A					1
nterior								
Floors	E0./			LIDE	* *	_	0.00	
Cast in Place Concrete	5%			LIFE	* *	5	\$600	
Ceramic Tile	5%			2033 2029	* *	5 3	\$300 \$1,900	
Vinyl Tile Interior Walls	90%			2029			\$1,900	
Concrete Masonry Unit	20%			LIFE	* *	5	\$800	
Gypsum Board	20% 80%			LIFE	* *	5 5	\$5,000	
Ceilings	6070			LIFE		3	\$5,000	
AcousTileSusp.Lay-In	85%		utaut Madauata A	2037	**	5	\$4,800	
		netration, E. n : First Flo	xtent : Moderate, A oor	геи Ајјес	леа : 10%			
Exposed Struc: Steel	5%	ı		LIFE	* *			
Laposed Silde. Sieel								

Electrical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cos (Yrs)	Priority
Under 600 Volts				
Service Equipment				
Molded Case Bkrs	100%	2034 **	5 \$200	
	Other Observation, Extent: Moderate,	Area Affected : 100%		
	Location: Electrical Room			
	Explanation : Main Service Disconne	ct Rated @ 500 Amperes		

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

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

BROOKLYN PUBLIC LIBRARY - 038 CLARENDON BRANCH LIBRARY

Asset #: 13240

Electrical	Current Repa	ir Future F	Replacement	M	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Jnder 600 Volts						
Switchgear / Switchboard						
Molded Case Bkrs	100%	2034	* *	5	\$200	
Raceway						
Conduit	100%	2034	* *	1		
Panelboards						
Fused Disc Sw	10%	2032	* *	5		
Molded Case Bkrs	90%	2032	* *	5	\$200	
Wiring						
Thermoplastic	100%	2034	* *	1		
Motor Controllers						
Locally Mounted	100%	2029	* *	5	\$100	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$100	
Lighting						
Interior Lighting						
Fluorescent	100%	2024	\$79,100	10	\$7,200	
	Other Observation, Exten	==	d: 100%			
	Location : Throughout T	he Building				
	Explanation: T-12 Lamp	9S				
Egress Lighting						
Emergency, Battery	50%	2024	\$5,300	10	\$900	
Exit, Service	50%	2024	\$600	1		
Exterior Lighting						
HID	100%	2024	\$29,800	10		
Alarm						
Security System						
Generic	100%	2032	* *	1	\$2,900	
	Other Observation, Exten	t : Moderate, Area Affecte	d: 100%			
	Location : Throughout T	he Building				
	Explanation: CCTV S	Surveillance Cameras				
Fire/Smoke Detection						
Generic	100%	2024	\$81,800	1-3	\$4,800	
	Other Observation, Exten	t : Moderate, Area Affecte	d: 100%			
	Location : Throughout T	he Building				
	Explanation : Alarm Bel	ls, Manual Pull Station, S	trobe Lights			

Mechanical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Total (Years)	d Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Heating Energy Source				
Natural Gas	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 CLARENDON BRANCH LIBRARY

Asset #: 13240

Mechanical	Curren	t Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Dat Total (Years)	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Conversion Equipment Hot Water Boiler		Extent : Light, Area	2029 Affected	* *	1	\$3,900	
	Location : 1st Flo						
	Explanation: 1 U	nit					
Distribution Hot Wtr Piping/Pump	100%		2032	* *	4	\$600	
Terminal Devices							
Air Handler	85%		2024	\$88,500	1	\$4,100	
Convector/Radiator	15%		2029	* *	1	\$400	
Air Conditioning							
Energy Source	4000/		• • • • •	di di			
Electricity	100%		2040	* *	1		
Conversion Equipment Int Pkg Unit -	100%		2022	\$157,400	2	\$500	
Heating/Cooling	R-22 Refrigerant, E Location : Equipr	Extent : Light, Area A nent Room	ffected :	100%			
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,300	
Exhaust Fans							
Interior	100%		2024	\$26,300	2	\$200	
Plumbing H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Gas Fired	100%		2022	\$4,500	2	\$100	
Sanitary Piping				-			
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping Cast Iron	100%		LIFE	* *	1		
Fixtures							
Generic	100%						

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

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

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : CLINTON HILL BRANCH LIBRARY

Address : 380 WASHINGTON AVE. BTWN GREENE AVE - LAFAYETTE AVE

Borough : BROOKLYN Agency's Number : 83

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 28-Feb-2013 Landmark Status : HISTORICAL LANDMARK DISTRICT

Areas Surveyed : Roof, Floors 1

Block : 1945 Lot : 36 BIN : 3055495

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$131,300	
Interior Architecture	\$74,500	\$78,300
Electrical	\$168,900	\$35,700
Mechanical	\$87,100	
Total	\$461,800	\$114,000
Importance Code A	\$131,300	
Importance Code B	\$330,400	\$114,000
Total	\$461,800	\$114,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,100			\$5,300
Interior Architecture	\$7,800	\$600	\$1,000	\$500
Electrical	\$40,100	\$600	\$600	\$17,500
Mechanical	\$36,800	\$900	\$2,500	\$5,700
Total	\$89,800	\$2,100	\$4,200	\$28,900
Importance Code A	\$23,500	\$400	\$400	\$5,700
Importance Code B	\$58,500	\$1,700	\$3,800	\$23,000
Importance Code C	\$7,800			\$200
Total	\$89,800	\$2,100	\$4,200	\$28,900



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

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

BROOKLYN PUBLIC LIBRARY - 038 CLINTON HILL BRANCH LIBRARY

Asset #: 13242

Architecture		Current Rep	oair	Futur	e Replacement	cement Maintenance		
System Component Type		Tail Date E (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls								
Masonry: Brick	60%			LIFE	* *	5	\$8,500	
Masonry: Brick		Now	\$2,400	LIFE	* *	5	\$1,400	
			Extent : Modera	te, Area A	ffected : 5%			
	Location :	West Facad	e					
Stucco Cement	30%			2037	* *	5	\$10,600	
	Location:	Continuous	nt : Moderate, A Band At Top Of Aggregate Find	f Wall	cted : 100%			
Windows								
Aluminum	100%	4+	\$2,800	2040	* *	5	\$300	
	-		Moderate, Ared	ı Affected	! : 10%			
		Kitchen, Me	_					
	_		Extent : Moderd	ite, Area I	Affected : 15%			
	Location :	Kitchen, Me	eeting Room					
Roof								
Modified Bitumen	100%	2-4	\$131,300	2034	* *			
			ate, Area Affect	ed : 15%				
	Location :							
			nt : Moderate, 1	Area Affe	cted : 25%			
		At Roof Per						
			nt : Moderate, A		cted : 10%			
	Location :	First Floor	Near Main Ent	rance				
nterior								
Floors	100/				* *	_	#2.200	
Cast in Place Concrete	10%			LIFE		5	\$2,300	
Ceramic Tile	5%			2027	\$11,100 * *	5	\$500	
Panel/Paver: Cer/Brk	5%			2040		5	\$1,200	
Vinyl Tile	80%			2024	\$78,300	3	\$3,100	
Interior Walls	50 /			2027	#12 000	-	Φ.5.0.0	
Ceramic Tile	5%	0.2	Φ 7 .000	2027	\$13,800 * *	5	\$500	
Concrete Masonry Unit	70%	0-2	\$7,800	LIFE		5	\$2,500	
			Moderate, Are	a Affected	d : 15%			
		Kitchen, No	orth Wall					
Gypsum Board	25%			LIFE	* *	5	\$1,400	
Ceilings								
AcousTileSusp.Lay-In	80%	4+	\$74,500	2044	* *	5	\$4,200	
	_	Bulging, Ext Throughout	ent : Moderate,	Area Aff	ected : 30%			
			ctent : Moderate	a Amag As	factod . 250/			
	_	_		e, Area Aj	jeciea : 25%			
		Throughout		A CC	. 1 100/			
			nt : Moderate, A		ctea : 10%			
			Near Main Ent		/			
			ight, Area Affec	tea : 50%	io .			
		Throughout						
Exposed Struc: Steel	10%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	\$1,300	

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

Estimates are rounded to the nearest hundred dollars.

 $[\]label{lem:maintenance} \textit{Maintenance \$ are aggregated over a 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 CLINTON HILL BRANCH LIBRARY

Asset #: 13242

Electrical	Current Re	epair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment				** ***	_		
Molded Case Bkrs	100%		2024	\$1,600	5	\$200	
	Other Observation, Ex		rea Affe	cted : 100%			
	Location : Electrical		D.	, G 1			
G : 1 / G : 11 1	Explanation : One 40	00 Amperes Main	Disconn	ect Switch			
Switchgear / Switchboard	1000/		2024	¢25 700	-	\$200	
Molded Case Bkrs	100%		2024	\$35,700	5	\$200	
Raceway Conduit	100%		2024	\$34,600	1		
Panelboards	100%		2024	\$34,000	1		
Fused Disc Sw	5%		2023	\$800	5		
Molded Case Bkrs	95%		2023	\$15,700	5	\$200	
Wiring	9370		2023	\$13,700	3	\$200	
Thermoplastic	100%		2024	\$30,700	1		
Motor Controllers	10070		2024	\$30,700	1		
Locally Mounted	100%		2022	\$16,700	5	\$100	
Ground	10070		2022	\$10,700		φισο	
Grounding Devices							
Generic General Genera	100%		LIFE	* *	5	\$100	
Lighting						, , , , ,	
Interior Lighting							
Fluorescent	100%		2019	\$83,000	10	\$6,900	
	Other Observation, Ex	tent : Moderate, A	rea Affe	cted : 100%			
	Location: Throughou	ut The Building					
	Explanation: T-12 L	amps					
Egress Lighting							
Emergency, Battery	50%		2029	* *	10	\$900	
Exit, Service	50%		2029	* *	1		
Exterior Lighting							
HID	100%		2019	\$31,300	10		
Alarm							
Security System							
No Component	30%						
Generic	70%		2032	* *	1	\$2,000	
Fire/Smoke Detection				,			
Generic	100%		2019	\$85,900	1-3	\$4,800	

Mechanical	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
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.

BROOKLYN PUBLIC LIBRARY - 038 CLINTON HILL BRANCH LIBRARY

Asset #: 13242

Mechanical	Current	Repair	Future R	eplacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year Es FY	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating	•						
Conversion Equipment Furnace	100% 0-2 Other Observation, 1 Location : Furnace	e Room	2034 a Affected : 1	**	1	\$3,300	
	Explanation: 2 Ob	solete Units					
Air Conditioning Energy Source Electricity	100%		2040	* *	1		
Terminal Devices	10070		2040		1		
Air Handler/Cool/Ht	100% 0-2 On Extended Life, Ex Location : Furnace		2034 Affected : 10	**	1	\$4,200	
Heat Rejection Air Cooled Condenser Unit	100% 0-2	\$15,700	2034	* *	2	\$4,200	
	Broken, Extent : Seve Location : Roof	ere, Area Affected :	100%				
Ventilation							
Distribution	1000/			de de			
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,200	
Exhaust Fans Roof	100% Now Malfunctioning, Exte	\$2,600 ent : Moderate, Area	2029 a Affected : 1	**	2	\$200	
	Not in Service, Exten Location : Exhaust	nt : Moderate, Area Fans, Bad Odor In		%			
Plumbing							
H/C Water Piping Galvanized Steel	100%		2037	* *	1		
Water Heater Gas Fired	100%		2022	\$4,700	2	\$100	
Sanitary Piping Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping Cast Iron	100%		LIFE	* *	1		
Backflow Preventer	000/						
No Component Generic	90% 10%		2029	* *	1	\$100	
Fixtures	1070		2029		1	\$100	
Generic	100% Obsolete Fixtures, E. Location : Main Fl		rea Affected	: 100%			

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.

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BROOKLYN PUBLIC LIBRARY - 038 CLINTON HILL BRANCH LIBRARY

Asset #: 13242

Mechanical	Current Repair	Future Re	eplacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Est FY	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression						
Chemical System						
No Component	90%					
Generic	10%	2019	\$200	1-3	\$400	
	Other Observation, Extent : Light, Area	a Affected : 10	00%			
	Location : Throughout					
	Explanation: Fire Extinguishers					

BROOKLYN PUBLIC LIBRARY - FY 2018 Print Date: 21-Sep-2017

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

Borough : BROOKLYN Agency's Number : 32

Program / Asset # : BPL0C32.000 / 13243 Yr Built/Renovated : 1957 / 2013

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

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

Areas Surveyed : Roof, Floors 1,2

: 7019 BIN : 3189001 Block Lot : 43

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$116,400
Electrical		\$14,200
Total		\$130,600
Importance Code A		\$116,400
Importance Code B		\$14,200
Total		¢120.700

Total \$130,600

\$19,700 \$8,900 \$600	\$700 \$5,900	\$700 \$22,000	\$1,600 \$8,200
	·	·	
\$19,700	\$700	\$700	\$1,600
\$29,200	\$6,600	\$22,700	\$9,800
\$3,900	\$3,900	\$3,900	\$3,900
\$1,800	\$1,600	\$7,400	\$2,000
\$1,400	\$1,100	\$11,400	\$1,500
\$3,100			\$1,400
\$19,000			\$900
FY 2019	FY 2020	FY 2021	FY 2022
	\$19,000 \$3,100 \$1,400 \$1,800 \$3,900	\$19,000 \$3,100 \$1,400 \$1,800 \$3,900 \$3,900 \$3,900	\$19,000 \$3,100 \$1,400 \$1,100 \$11,400 \$1,800 \$1,600 \$7,400 \$3,900 \$3,900 \$3,900



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.

BROOKLYN PUBLIC LIBRARY - 038 CONEY ISLAND BRANCH LIBRARY

Asset #: 13243

Architecture	Current Rep	air Fut	ure Replacement	M	aintenance	
system Component Type	% of Fail Date Es Total (Years)	stimated Cost Year FY		Cycle (Yrs)	Estimated Cost	Priority
xterior						
Exterior Walls						
Masonry: Brick	80% Now	\$16,700 LIFE		5	\$27,300	
	Vertical Cracks, Extent : Location : At Rear Fac					
Masonry: Granite	5%	LIFE	**	5	\$1,300	
Metal/Glass Curt Wall	15%	LIFE	**	5	\$9,600	
	Thermally Inefficient, Ex Location : Throughout		cted : 100%			
Windows	1000/	20.47			Ф1 000	
Aluminum	100%	2042	2 **	5	\$1,800	
Parapets	150/	LIE	3 **	5	¢4.000	
Cast Stone/Terra Cotta	15%	LIFE		5	\$4,000	
	Worn/Eroded, Extent: Li Location: Throughout	gni, Area Ajjeciea : 10	<i>107</i> 6			
Masonry: Brick	85%	LIFE	**	5	\$3,000	
	Spalling, Extent : Light, A	Area Affected : 30%				
	Location : Above Para	pet Wall Base Counter	Flashing			
Roof	0.50/ 3.1	ФО 200 202	¢116.400			
Modified Bitumen	95% Now	\$2,300 2026	5 \$116,400			
	Blisters, Extent: Light, A		or On Main Book			
ol 11 1 3 5 1 1 ol	Location : Adjacent To			10	Φ2.700	
Skylight, Metal/Glass	5%	2036	,	10	\$3,500	
	Deteriorated Finish, Extended Location: Stair Bulkhe	-				
nterior						
Floors Cast in Place Concrete	20%	LIFF	3 **	5	\$9,200	
Ceramic Tile	10%	2039		5	\$2,100	
Terrazzo	15%	LIFE		5	\$2,500	
Vinyl Tile	55%	2034		3	\$5,800	
Interior Walls			•		ψ2,000	
Ceramic Tile	5%	2039	**	5	\$1,300	
Gypsum Board	50%	LIFE		5	\$7,600	
Masonry: Brick	15%	LIFE		-	4,,,,,,,,,	
Plaster	30%	LIFE		5	\$2,300	
	Paint Peeling, Extent : L	ight, Area Affected : 1	0%			
	Location : Stairwell At					
Ceilings						
AcousTileConcealSpLn		2043		5	\$6,700	
Gypsum Board	35%	LIFE		5	\$7,900	
Plaster	25%	LIFE		5	\$2,800	
			00/			
	Paint Peeling, Extent : L Location : Stairwell	ight, Area Affected : 1	0%			

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

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

BROOKLYN PUBLIC LIBRARY - 038 CONEY ISLAND BRANCH LIBRARY

Asset #: 13243

Electrical	Current Repair	Future Re	placement	Ma		
System Component Type	% of Fail Date Estimated C Total (Years)	ost Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment Fused Disc Sw	100%	2046	* *	5	\$100	
T used Disc 5W	Other Observation, Extent : Light, A		0%	3	Ψ100	
	Location : Boiler Room	33				
	Explanation: 600 Amperes Servic	re				
Switchgear / Switchboard						
Fused Disc Sw	100%	2046	* *	5	\$100	
Raceway Conduit	100%	2046	* *	1		
Panelboards	100%	2040		1		
Molded Case Bkrs	100%	2042	* *	5	\$400	
Wiring					4 1 2 2	
Thermoplastic	100%	2046	* *	1		
Motor Controllers						
Locally Mounted	100%	2039	* *	5	\$100	
Ground Grounding Devices						
Grounding Devices Generic	100%	LIFE	* *	5	\$200	
Lighting	10070				\$200	
Interior Lighting						
Fluorescent	80%	2031	* *	10	\$10,300	
	T-8 Lamps And Fixtures, Extent: Li Location: Throughout The Buildin		l : 100%			
Fluorescent	10%	2026	\$14,200	10	\$1,300	
	T-8 Lamps And Fixtures, Extent : Li Location : Basement	ight, Area Affected	l : 100%			
Incandescent	10%	2026	\$14,200	2		
Egress Lighting						
Emergency, Service	50%	2026	\$3,500	1		
Exit, LED	50%	2054	* *	1		
Alarm Security System						
No Component	50%					
Generic	50%	2031	* *	1	\$2,600	
	Other Observation, Extent : Light, A	Area Affected : 10	0%		-	
	Location: First And Second Floor	r				
F' /0 1 D :	Explanation: CCTV Only					
Fire/Smoke Detection	100%	2031	* *	1 2	\$8,900	
Generic, Digital	10070	2031		1-3	\$6,900	

Mechanical	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
Heating							
Energy Source Natural Gas	100%		2046	* *	1		

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 CONEY ISLAND BRANCH LIBRARY

Asset #: 13243

Mechanical	Current Repair		Future Replacement		Maintenance		
System Component Type		Date Estimated Cost ears)	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	\$700	
Terminal Devices Convector/Radiator	100%		2039	* *	1	\$4,500	
Air Conditioning							
Energy Source Electricity	100%		2042	* *	1		
Conversion Equipment Exterior Pkg Unit -	50%		2031	* *	2	\$400	
Cooling Split Unit	50%		2031	* *			
Distribution Ductwork/Diffusers	100%		LIFE	* *	2	\$18,200	
Terminal Devices Fan Coil - 2 Pipe	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%		2024	\$8,100	2	\$200	
	Location: 1s	tion, Extent : Light, Area t Floor Mechanical	Affected :	100%			
Conitom: Divin-	Explanation .	: 1 - 50 Gallon Unit					
Sanitary Piping Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping Cast Iron	100%		LIFE	* *	1		
Fixtures Generic	100%						
Vertical Transport Elevators Hydraulic	100%		LIFE	* *			
		tion, Extent : Light, Area t To 2nd Floor : 1 - Unit	Affected :	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: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : CORTELYOU BRANCH LIBRARY
Address : 1305 CORTELYOU RD. @ARGYLE RD.

Borough : BROOKLYN Agency's Number : 87

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 05-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 5144 Lot : 80 BIN : 3118362

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$36,700
Electrical		\$22,800
Total		\$59,600
Importance Code B		\$59,600
Total		\$59,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,500			\$200
Interior Architecture	\$3,500		\$500	\$100
Electrical	\$16,000	\$800	\$600	\$700
Mechanical	\$1,100	\$2,200	\$1,700	\$2,400
Total	\$26,100	\$3,000	\$2,900	\$3,300
Importance Code A	\$5,900	\$400	\$400	\$500
Importance Code B	\$20,300	\$2,600	\$2,500	\$2,800
Importance Code C				
Total	\$26,100	\$3,000	\$2,900	\$3,300



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

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

BROOKLYN PUBLIC LIBRARY - 038 CORTELYOU BRANCH LIBRARY

Asset #: 13244

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	100%			LIFE	* *	5	\$9,900	
Windows								
Aluminum	100%			2032	* *	5	\$300	
Parapets								
Masonry: Brick	95%			LIFE	* *	5	\$1,700	
Metal Panel	5%			2044	* *	5	\$400	
Roof								
Modified Bitumen	100%	Now	\$5,300	2029	* *			
	Blisters, E	Extent : Mod	lerate, Area Affecte	ed : 40%				
	Location	ı : Through	out					
	Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 60%							
	Location: Throughout							
	Water Penetration, Extent : Light, Area Affected : 10%							
	Location	ı : Over Me	eting Room					
erior								
Floors								
Ceramic Tile	5%			2027	\$4,400	5	\$200	
Vinyl Tile	95%			2024	\$36,700	3	\$1,600	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	* *	5	\$4,200	
•	Vertical Cracks, Extent : Light, Area Affected : 10%							
	Location	: Corners	Of Main Public Sp	ace				
Ceilings								
AcousTileSusp.Lay-In	95%	0-2	\$3,500	2037	* *	5	\$2,100	
1 7	Staining/Discoloring, Extent: Light, Area Affected: 10%							
		ı : Meeting		-				
			xtent : Light, Area	Affected	: 15%			
		ı : Meeting		00				
Plaster	5%			LIFE	* *	5	\$100	
1 145101	370			LIII		3	\$100	

Electrical	Current Repair	Future Repl	acement	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estim FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2034	* *	5		
	Other Observation, Extent: Moder	ate, Area Affected : 1	100%			
	Location: Electrical Room					
	Explanation: Two-200 Amperes	Main Disconnect Sw	itch			
Switchgear / Switchboard						
Fused Disc Sw	100%	2034	* *	5		
Raceway						
Conduit	90%	2034	* *	1		
Conduit	10%	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.

BROOKLYN PUBLIC LIBRARY - 038 CORTELYOU BRANCH LIBRARY

Asset #: 13244

Electrical	Curr	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail D Total (Yea	oate Estimated Cost rs)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%		2032	* *	5			
Molded Case Bkrs	65%		2032	* *	5	\$100		
Molded Case Bkrs	30%		2040	* *	5	\$100		
Wiring								
Thermoplastic	20%		2044	* *	1			
Thermoplastic	80%		2034	* *	1			
Motor Controllers								
Locally Mounted	100%		2029	* *	5	\$100		
Ground								
Grounding Devices	1000/	40.000		* *	_			
Generic	100% 2-4	. ,	LIFE		5	\$100		
		on, Extent : Moderate, A	Area Affe	cted : 100%				
	Location : Water							
T 1 1	Explanation : C	Corroded						
Lighting								
Interior Lighting	70%		2029	* *	10	\$4.900		
Fluorescent		on, Extent : Moderate, 1			10	\$4,800		
		m, Extent . Moderate, I oughout The Building	чтей Ајје	ciea . 100%				
TI.	Explanation : T	-o Lamps	2024	#22 000	10	Φ2 100		
Fluorescent	30%	T	2024	\$22,800	10	\$2,100		
	Other Observation, Extent : Moderate, Area Affected : 100% Location : Throughout The Building							
		-						
F 1:14:	Explanation : T	-12 Lamps						
Egress Lighting	50%		2029	* *	10	\$900		
Emergency, Battery Exit, LED	50% 50%		2029	* *	10	\$900		
	30%		2032		1			
Exterior Lighting Incandescent	100%		2024	\$24,400	2			
	100%		2024	\$24,400				
Alarm								
Security System No Component	30%							
Generic	70%		2032	* *	1	\$2,000		
Fire/Smoke Detection	/0/0		2032		1	\$2,000		
Generic	100%		2029	* *	1-3	\$4,600		
Generic	10070		2029		1-3	\$4,000		

Mechanical	Current Repair	Future Ro	eplacement	Maintenance	
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year Es		ycle 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.

BROOKLYN PUBLIC LIBRARY - 038 CORTELYOU BRANCH LIBRARY

Asset #: 13244

Mechanical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Heating				
Conversion Equipment Hot Water Boiler	100% Other Observation, Extent : Light, Are Location : 1st Floor Boiler Room	2041 ** ea Affected : 100%	1 \$3,700	
	Explanation: 1 Unit			
Distribution				
Hot Wtr Piping/Pump	100%	2046 **	4 \$400	
Terminal Devices				
Air Handler	70%	2032 **	1 \$3,300	
Convector/Radiator	30%	2037 **	1 \$700	
Air Conditioning				
Energy Source				
Electricity	100%	2040 **	1	
Conversion Equipment				
Reciprocating	100%	2032 **	1 \$3,500	
Compr/Chiller				
	R-134a Refrigerant, Extent : Light, An Location : Roof	rea Affected : 100%		
Terminal Devices Air Handler/Dir	100%	2032 **	1	
Expansion				
Heat Rejection	100%	2032 **	2 95.200	
Dry Cooler	100%	2032 **	2 \$5,200	
Ventilation				
Distribution Ductwork/Diffusers	100%	LIFE **	2-5 \$4,200	
	100%	LIFE	2-5 \$4,200	
Exhaust Fans Interior	70%	2032 **	2 \$200	
Roof	30%	2032 **	2 \$200 2 \$100	
	30%	2032	2 \$100	
lumbing				
H/C Water Piping Brass/Copper	100%	2034 **	1	
Water Heater	10070	2037	1	
Gas Fired	100%	2023 \$4,300	2 \$100	
Sanitary Piping	100 /0	2023 \$4,300	2 \$100	
Cast Iron	100%	LIFE **	1	
	10070	LILE	1	
Storm Drain Piping Cast Iron	100%	LIFE **	1	
Fixtures	10070	LITE	Ī	
Generic	100%			
Generic	10070			

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

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : CYPRESS HILLS BRANCH LIBRARY
Address : 1197 SUTTER AVENUE @ CRYSTAL ST.

Borough : BROOKLYN Agency's Number : N/A
Program / Asset # : BPL0C88.000 / 14460 Yr Built/Renovated : 1995 /

Area Sq Ft : 6,999 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1

Block : 4247 Lot : 33 BIN : 3252993

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$37,000	
Total	\$37,000	
Importance Code A	\$37,000	
Total	\$37,000	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$3,700	\$900		
Interior Architecture	\$27,200	\$1,700		
Electrical	\$1,800	\$700	\$600	\$6,500
Mechanical	\$3,300	\$800	\$1,300	\$4,900
Total	\$36,000	\$4,200	\$1,900	\$11,400
Importance Code A	\$6,300	\$1,300	\$300	\$300
Importance Code B	\$29,700	\$2,900	\$1,500	\$11,100
Importance Code C				
Total	\$36,000	\$4,200	\$1,900	\$11,400



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 CYPRESS HILLS BRANCH LIBRARY

Asset #: 14460

rchitecture		Current I	Repair	Futur	e Replacement	М	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
terior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	* *	5	\$5,400	
Concrete Masonry Unit	90%			LIFE	* *	5	\$12,100	
Metal Panel	5%			2044	* *	5-10	\$7,400	
Windows								
Aluminum	100%			2040	* *	5	\$1,800	
Parapets								
Concrete Masonry Unit	90%			LIFE	* *	5	\$3,900	
Pre-Cast Concrete	10%			LIFE	* *	5	\$2,400	
Roof								
Metal Panel	95%	2-4	\$37,000	2037	* *			
			xtent : Moderate, A	rea Affe	cted : 10%			
	Location	: Through	out					
Modified Bitumen	5%			2029	* *	10	\$1,700	
erior								
Floors								
Cast in Place Concrete	20%			LIFE	* *	5	\$8,000	
Ceramic Tile	5%			2033	* *	5	\$900	
Vinyl Tile	75%			2029	* *	3	\$5,100	
Interior Walls								
Cast in Place Concrete	20%			LIFE	* *			
Ceramic Tile	3%			2033	* *	5	\$400	
Concrete Masonry Unit	2%			LIFE	* *	5	\$100	
Gypsum Board	30%			LIFE	* *	5	\$2,500	
Plaster	45%			LIFE	* *	5	\$1,900	
Ceilings								
AcousTileSusp.Lay-In	20%	4+	\$3,000	2037	* *	5	\$1,800	
·	_	iscoloring, : Through	Extent : Moderate out	, Area Aj	ffected : 15%			
Gypsum Board	30%			LIFE	* *	5	\$6,800	
Plaster	50%	4+	\$24,200	LIFE	* *	5	\$5,700	
	Staining/L	iscoloring, : Through	Extent : Moderate		ffected : 15%		. , .	

Electrical	Current Repair	Future Replac	ement	M	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estimat	ted Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2050	* *	5		
	Other Observation, Extent : Mode	rate, Area Affected : 10	0%			
	Location: Electrical Room					
	Explanation: One 600 Amperes	Main Disconnect Switch	h			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2050	* *	5	\$200	

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

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

BROOKLYN PUBLIC LIBRARY - 038 CYPRESS HILLS BRANCH LIBRARY

Asset #: 14460

Electrical	Current Repair	Future Replace	ement	Maintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year Estimate FY		Cycle Estimated Cost Yrs)	Priority
Under 600 Volts					
Raceway					
Conduit	100%	2050	* *	1	
Panelboards					
Fused Disc Sw	10%	2046	* *	5	
Molded Case Bkrs	90%	2046	* *	5 \$200	
Wiring					
Thermoplastic	100%	2050	* *	1	
Motor Controllers					
Locally Mounted	100%	2041	* *	5	
Ground					
Grounding Devices					
Generic	100%	LIFE	* *	5 \$100	
Lighting					
Interior Lighting					
Fluorescent	20%	2029		10 \$1,300	
	T-12 Lamps And Fixtures, Ext Location : Throughout The I		d : 100%		
Fluorescent	80%	2032	* *	10 \$5,100	
	T-8 Lamps And Fixtures, Exter			, , , , , ,	
	Location : Throughout The I	Building			
Egress Lighting					
Emergency, Battery	50%	2032	* *	10 \$800	
Exit, Service	50%	2032	* *	1	
Exterior Lighting					
HID	100%	2032	* *	10	
Alarm					
Security System					
No Component	70%				
Generic	30%	2032	* *	1 \$800	
Fire/Smoke Detection					
Generic	100%	2032	**]	1-3 \$4,300	

lechanical	Cur	rent Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Total (Ye	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
leating							
Energy Source							
Natural Gas	100%		2044	* *	1		
Conversion Equipment							
Hot Water Boiler	100% No	w \$2,600	2029	* *	1	\$3,100	
	Malfunctioning,	Extent: Moderate, Are	a Affecte	d: 10%			
	Location: Con	ntrol System					
	Other Observati	on, Extent : Light, Area	ı Affected	: 100%			
	Location : Bas	rement					
	Explanation:	3 Units					

Maintenance \$ are aggregated over a 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 CYPRESS HILLS BRANCH LIBRARY

Asset #: 14460

Mechanical		Current R	lepair	Futur	Future Replacement		Maintenance	
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%			2032	* *	4	\$500	
Terminal Devices								
Convector/Radiator	50%			2037	* *	1	\$1,100	
Fan Coil Unit/Heat	50%			2029	* *	1	\$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Exterior Pkg Unit -	100%			2029	* *	2	\$400	
Cooling								
		_	ent : Light, Area A	ffected :	100%			
	Location	: 2 Roof To	p Units					
Ventilation								
Distribution					de de			
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,900	
Exhaust Fans	• • • • •			• • • •	de de	_	4400	
Roof	30%			2029	* *	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping	1000/			2011	* *			
Brass/Copper	100%			2044	* *	1		
Water Heater	1000/			2022	#4.100	2	ф100	
Gas Fired	100%			2022	\$4,100	2	\$100	
Sanitary Piping	1000/			LIEE	* *	1		
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s) Submersible	1000/			2010	#200	4	¢200	
	100%			2019	\$200	4	\$200	
Backflow Preventer	1000/			2020	* *	1	\$400	
Generic	100%			2029		1	\$400	
Fixtures Generic	100%							
	100%							
Fire Suppression								
Chemical System No Component	90%							
Generic	10%			2022	\$200	1-3	\$400	
Generic		ervation F	xtent : Light, Area			1-3	φ + 00	
		: Througho	_	пусски	. 100/0			
			Extinguishers					
	Explana	non : Fire E	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.

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$487,300	
Interior Architecture	\$134,500	
Electrical	\$27,900	\$35,700
Mechanical		\$174,600
Total	\$649,700	\$210,300
Importance Code A	\$487,300	
Importance Code B	\$162,400	\$210,300
Total	\$649,700	\$210,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$10,400	\$4,700		
Interior Architecture	\$36,700			\$2,700
Electrical	\$24,800	\$1,200	\$800	\$900
Mechanical	\$2,100	\$1,900	\$3,100	\$9,800
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$77,900	\$11,800	\$7,800	\$17,300
Importance Code A	\$11,200	\$5,300	\$600	\$600
Importance Code B	\$56,700	\$6,400	\$7,200	\$16,200
Importance Code C	\$10,100			\$400
Total	\$77,900	\$11,800	\$7,800	\$17,300



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

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

Asset #: 13245

Architecture	Current Repa	ir	Future	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Est Total (Years)	imated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls							
Cast Stone/Terra Cotta	15% Now	*)	LIFE	* *	5	\$24,100	
	Int Mortar Miss/Erod, Ext Location : Cornice	ent : Moderate	, Area A	ffected : 25%			
Masonry: Brick	83% Now	\$114,100	LIFE	* *	5	\$17,100	1
·	Cracking/Crumbling, Exte Location : Throughout	nt : Severe, Are	ea Affect	ed : 20%			
	Jnt Mortar Miss/Erod, Ext	ent : Moderate	, Area Ą	ffected : 20%			
	Location: Throughout						
	Sidewalk Shed in Use, Ext Location : Along Bushwa		, Area Aj	fected : 30%			
Masonry: Sandstone	2% Now	\$7,000	LIFE	* *	5	\$300	1
•	Broken/Missing Elements, Location: Window Sills	Extent: Severe	e, Area A	ffected : 20%			
	Jnt Mortar Miss/Erod, Ext Location : Window Sills	ent : Severe, Ai	rea Affeo	eted : 25%			
Windows							
Wood	100% Now	\$194,400	2049	* *	5	\$23,400	
	Air Infiltration, Extent: M Location: Throughout	oderate, Area A	Affected	: 100%			
	Split/Cracked, Extent : Mo	oderate. Area A	ffected :	50%			
	Location: Throughout	,	,,				
	Water Penetration, Extent	: Moderate, Ar	ea Affec	ted : 20%			
	Location: Main Reading		00				

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

Asset #: 13245

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	
xterior									
Parapets	220/	N	\$20,000	LIEE	* *	_	¢0.700		
Cast Stone/Terra Cotta		Now	\$39,000 d, Extent : Moderat	LIFE		5	\$8,700		
		1 Miss/Eroc 1 : Coping	i, Exieni . Moderdi	е, лгеи л	gjeciea . 2070				
			xtent : Moderate, A	rea Affe	cted : 10%				
		n : Coping		33					
Masonry: Brick	75%	Now	\$47,000	LIFE	* *	5	\$3,700		
•			l, Extent : Moderat		Affected : 15%		. ,		
		n : Through							
			Extent : Moderate,	Area Aff	ected : 10%				
		n : Through							
			xtent : Moderate, A	rea Affec	cted: 15%				
M T'		n : Through		LIEE	* *		ф100	1	
Masonry: Limestone	2%		\$3,400 d, Extent : Severe, A	LIFE		5	\$100	1	
			i, Extent . Severe, F Over Auditorium Ex		ciea . 5070				
			Extent : Severe, Ar		ed : 25%				
	_		Over Auditorium Ex						
	Miss/Dan	aged Copii	igs, Extent : Severe	, Area Aj	ffected : 25%				
	Location : Over Auditorium Exit								
			Extent : Moderate, A		cted : 100%				
			Over Auditorium Ex						
Roof	Explana	tion: This	Coping Is Actually	Blueston	e				
Copper/Terne	85%	ı		2052	* *	10	\$37,200		
coppen terms			Extent : Moderate, A		cted : 100%	- 0	<i>\$51,</i> 200		
	Location	n: Through	out						
	Explana	tion : Repa	irs In Progress, No	t Accessi	ble				
Roll Roofing	5%	ı		2020	\$4,000	5	\$1,500		
			Extent : Moderate, A	Area Affe	cted : 100%				
		n : Through							
			irs In Progress, No				* 1.000		
Single Ply Membrane	10%		Sytant Madagat	2024	\$6,500	10	\$1,800		
		servanon, E n : Through	Extent : Moderate, A out	неи Ајје	ciea . 100%				
		_	om irs In Progress, No	t Accessi	ble				
nterior	p	пери							

Interior

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

Asset #: 13245

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								
Floors								
Cast in Place Concrete	10%			LIFE	* *	5	\$3,900	
Ceramic Tile	5%			2027	\$19,200	5	\$900	
Sheet Vinyl/Rubber	5%			2029	* *	5	\$1,300	
Vinyl Tile	80%		\$134,500	2034	* *	3	\$5,400	
			tent : Moderate, Ai	ea Affec	ted : 50%			
	Location : Throughout Main Floor Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	_	_		, Area Aj	ffected: 20%			
	Location : Throughout Main Floor Loose Units, Extent : Moderate, Area Affected : 50%							
			моаетае, Area A <u>j</u> out Main Floor	јестеа	00/0			
Interior Walls	Locuitor	i . Inrough	oui Muin 1 toor					
Ceramic Tile	5%			2027	\$26,600	5	\$900	
Concrete Masonry Unit	10%			LIFE	**	5	\$700	
Gypsum Board	15%			LIFE	* *	5	\$1,600	
Plaster	65%		\$10,100	LIFE	* *	5	\$3,400	
Taster			xtent : Moderate, A		cted : 5%	J	ψ2,100	
			an Room, Tech Roo					
Wood	5%			LIFE	* *	5	\$3,500	
Ceilings							40,000	
AcousTile,Adhered	5%	Now	\$9,300	2044	* *	5	\$500	
	Adhesion	Failure, Ex	tent : Moderate, Ar	ea Affec	ted : 40%			
	Location	ı : Auditori	ит					
	Broken/M	issing Elem	nents, Extent : Seve	re, Area .	Affected : 30%			
	Location	ı : Auditori	um					
AcousTileSusp.Lay-In	25%	Now	\$8,100	2029	* *	5	\$2,300	
1 ,	Water Pen	etration, E	xtent : Moderate, A	rea Affe	cted : 10%			
	Location	ı : Custodia	an Office And Tech	Room				
Exposed Concrete	5%			LIFE	* *	5	\$100	
Plaster	65%	Now	\$8,500	LIFE	* *	5	\$7,400	
			Extent : Moderate	, Area Aj	ffected : 5%		. ,	
		ı : Mezzani						
			xtent : Moderate, A	rea Affe	cted : 5%			
	Location	ı : Mezzani	ne					

Electrical	Current Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts		•				•
Service Equipment						
Molded Case Bkrs	100%	2024	\$1,600	5	\$300	
	Other Observation, Extent : Moderate,	Area Affe	cted : 100%			
	Location: Electrical Room					
	Explanation: One 600 Amperes Main	n Disconn	ect Switch			
Switchgear / Switchboard	-					
Molded Case Bkrs	100%	2024	\$35,700	5	\$300	

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

Estimates are rounded to the nearest hundred dollars.

 $[\]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 #: 13245

Electrical	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
Under 600 Volts							
Raceway							
Conduit	70%		2024	\$24,300	1		
Conduit	30%		2044	* *	1		
Panelboards	50 /		20.40	* *	_		
Fused Disc Sw	5%		2040		5	#100	
Molded Case Bkrs	20%		2023	\$3,300	5	\$100	
Molded Case Bkrs	75%		2040		5	\$200	
Wiring	30%		2044	* *	1		
Thermoplastic	30% 70%		2044		1		
Thermoplastic Motor Controllers	/U/0		ZUZ4	\$21,500	1		
Locally Mounted	100%		2037	* *	5	\$100	
Ground	100/0		2037	. •	3	\$100	
Grounding Devices							
Generic Generic	100% 0-2	\$10,500	LIFE	* *	5	\$200	
Generie	Other Observation, E	· ·		cted : 100%	5	Ψ200	
	Location : Water M		33				
	Explanation : Corre						
Lighting	1						
Interior Lighting							
Fluorescent	20%		2019	\$27,900	10	\$2,300	
	Other Observation, E	xtent : Moderate, A	rea Affe	cted : 100%			
	Location: Through	_					
	Explanation: T-12	Lamps					
Fluorescent	50%		2029	* *	10	\$5,800	
	T-5 Lamps And Fixtu	res, Extent : Moder	ate, Ared	a Affected : 100%			
	Location: Through	out The Building					
Fluorescent	30%		2029	* *	10	\$3,500	
	T-8 Lamps And Fixtu	res, Extent : Moder	ate, Ared	a Affected : 100%			
	Location: Through	out The Building					
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%		2034	* *	1	\$1,400	
Fire/Smoke Detection							
Generic	100%		2029	* *	1-3	\$7,800	

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

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 l	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Natural Gas	100%		2044	* *	1		
Conversion Equipment							
Hot Water Boiler	100%		2037	* *	1	\$6,200	
	Other Observation, E		Affected	: 100%			
	Location : Boiler R						
	Explanation: One	Unit					
Distribution	1000/		2022	* *		#	
Hot Wtr Piping/Pump	100%		2032	* *	4	\$900	
Terminal Devices	5 00/		2024	#120.200		0.5. 5.0.0	
Air Handler	70%		2024	\$128,200	1	\$5,500	
Convector/Radiator	30%		2037	* *	1	\$1,200	
Air Conditioning							
Energy Source	1000/		2040	* *	1		
Electricity	100%		2040	<i>*</i> *	1		
Conversion Equipment	700/		2020	* *	2	Ø500	
Exterior Pkg Unit -	70%		2029	* *	2	\$500	
Cooling	R-22 Refrigerant, Ex	tont . Light Anga Af	footod .	1000/			
	Location: 2 Units (0 00	естеа.	10076			
N. G		эн тне коој					
No Component	30%						
Terminal Devices	200/		2020	* *		Φ1 2 00	
Fan Coil - 2 Pipe	30%		2029	* *	1	\$1,200	
No Component	70%						
Heat Rejection	200/		2020	* *	2	#2 (00	
Air Cooled Condenser Unit	30%		2029	* *	2	\$2,600	
	70%						
No Component Ventilation	7070						
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$7,000	
Exhaust Fans	10070		LIIL		2-3	\$7,000	
Interior	100%		2024	\$46,400	2	\$400	
Plumbing	10070		2027	ψ-10,-100		ψτου	
H/C Water Piping							
Galvanized Steel	100%		2037	* *	1		
Water Heater	- + +						
Gas Fired	100%		2022	\$7,900	2	\$200	
Sanitary Piping	10070			<i>\$1,500</i>		\$2 00	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping					-		
Cast Iron	100%		LIFE	* *	1		
Backflow Preventer							
No Component	90%						
Generic	10%		2029	* *	1	\$100	
Fixtures	**-					4100	
* ******* ***	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 DEKALB BRANCH LIBRARY

Asset #: 13245

Mechanical	Current Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Light, Are	a Affected	l : 100%			
	Location: B-1					
	Explanation: One Unit					
Fire Suppression						
Chemical System						
No Component	90%					
Generic	10%	2022	\$200	1-3	\$400	
	Other Observation, Extent : Light, Are	a Affected	l : 100%			
	Location : Throughout					
	Explanation : Fire Extinguishers					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : DYKER BRANCH LIBRARY
Address : 8202 13TH AVE. @ 82ND STREET

Borough : BROOKLYN Agency's Number : 82

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 21-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 6302 Lot : 36 BIN : 3164019

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$136,600	
Interior Architecture		\$104,400
Electrical	\$78,700	
Mechanical		\$266,100
Total	\$215,300	\$370,500
Importance Code A	\$136,600	
Importance Code B	\$78,700	\$370,500
Total	\$215,300	\$370,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				
Interior Architecture	\$29,800		\$1,500	\$300
Electrical	\$15,500	\$500	\$500	\$9,800
Mechanical	\$800	\$2,100	\$1,500	\$6,300
Total	\$46,100	\$2,600	\$3,500	\$16,400
Importance Code A	\$500	\$400	\$400	\$400
Importance Code B	\$45,600	\$2,200	\$3,200	\$16,100
Importance Code C				
Total	\$46,100	\$2,600	\$3,500	\$16,400



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

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

Asset #: 13246

Architecture	Current Repa	nir Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior						
Exterior Walls						
Cast in Place Concrete	15%	LIFE		5	\$10,000	
Masonry: Brick	85%	LIFE	* *	5	\$11,300	
Windows	1000/	*** ** ** ** ** ** ** **	ala ala	_	4.5 00	
Aluminum	100% 4+	\$45,700 2049	**	5	\$500	
	Caulking Deteriorated, E.	xtent : Light, Area Affe	ected : 15%			
	Location: Throughout	. 14 1 . 4 40	1 1000/			
	Other Observation, Exten	t : Moderate, Area Aff	ected : 100%			
	Location: Throughout	. 10				
Roof	Explanation: Broken M	eiai Security Gates				
Single Ply Membrane	100% Now	\$90,900 2034	* *			
Single Fly Memorane	Blisters, Extent : Moderat	. ,				
	Location: Throughout	e, meanyeetea . 107	,			
	Patching Evident, Extent	· Moderate Area Affe	rted · 30%			
	Location: Throughout,					
	Seams Open/Split, Extent		cted : 15%			
	Location: Throughout	35				
	Water Penetration, Extens	: Moderate, Area Affe	ected : 30%			
	Location: Throughout					
nterior						
Floors						
Cast in Place Concrete	5%	LIFE		5	\$1,500	
Ceramic Tile	5%	2027	\$13,200	5	\$700	
Vinyl Tile	90%	2024	\$104,400	3	\$4,500	
Interior Walls	100/	• • • • • • • • • • • • • • • • • • • •		_		
Ceramic Tile	10%	2033	* *	5	\$400	
Concrete Masonry Unit	90%	LIFE		5	\$1,500	
	Vertical Cracks, Extent:	Light, Area Affected: .	10%			
G '1'	Location: Throughout					
Ceilings	000/ 0.2	¢20.000 2027	* *	-	¢c 100	
AcousTileSusp.Lay-In	90% 0-2	\$29,800 2037		5	\$6,100	
	Broken/Missing Elements Location: Kitchen, Wor					
		_				
	Staining/Discoloring, Ext Location: Kitchen, Wor					
	Water Penetration, Extens					
	Location: Kitchen, Wor					
Communa Descrip				-	ቀ000	
Gypsum Board	5% 50/	LIFE		5	\$800	
Plaster	5%	LIFE	* *	5	\$400	

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

Under 600 Volts

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

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

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

Asset #: 13246

Electrical	Current Repair	Future F	Replacement	Ma	aintenance	
System Component Type	% of Fail Date Estim Total (Years)	ated Cost Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts Service Equipment Molded Case Bkrs	100% Other Observation, Extent : . Location : Electrical Room Explanation : One 400 Am			5	\$200	
Switchgear / Switchboard Molded Case Bkrs	100%	2024	\$32,700	5	\$200	
Raceway Conduit Conduit	90% 10%	2024 2044	\$28,600 * *	1 1		
Panelboards Fused Disc Sw Fused Disc Sw Molded Case Bkrs Molded Case Bkrs	5% 5% 60% 30%	2023 2046 2023 2046	\$800 * * \$9,100 * *	5 5 5 5	\$100 \$100	
Wiring Thermoplastic Thermoplastic	70% 30%	2024 2050	\$19,700 * *	1 1	\$100	
Motor Controllers Locally Mounted Locally Mounted Ground	60% 40%	2022 2041	\$9,200	5 5		
Grounding Devices Generic	100%	LIFE	* *	5	\$100	
Lighting Interior Lighting Fluorescent	98% Other Observation, Extent: Location: Throughout The		* * d : 100%	10	\$6,700	
Fluorescent	Explanation: T-8 Lamps 2% T-5 Lamps And Fixtures, Ext Location: Front Desk	2029 ent : Moderate, Area Ą	* * ffected : 100%	10	\$100	
Egress Lighting Emergency, Battery Exit, Service	50% 50%	2029 2029	* *	10 1	\$900	
Exterior Lighting HID	100%	2029	* *	10		
Alarm Security System No Component Generic	70% 30% Now Not in Service, Extent : Mode Location : Throughout The	. 55	* *	1	\$800	
Fire/Smoke Detection Generic	100%	2019	\$78,700	1-3	\$4,800	

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

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

Asset #: 13246

Mechanical	Current Re	epair	Futur	e Replacement	M		
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		
Conversion Equipment	10070		2044		1		
Hot Water Boiler	100%		2041	* *	1	\$3,700	
The water Boner	Recent Replace Eviden	t, Extent : Light, A		ected : 100%	1	ψ5,700	
	Location : Boiler Ro						
	Other Observation, Ex	tent : Light, Area	Affected	: 100%			
	Location : Boiler Roc	om					
	Explanation: (1) Ga.	s Fired Hot Water	Boiler				
Distribution	1000/		• • • •				
Hot Wtr Piping/Pump	100%		2040	* *	4	\$600	
Terminal Devices	500/		2022	* *	1	£2.200	
Air Handler	50% Recent Repair Evident,	Extent : Light A	2032		1	\$2,300	
	Location : Suspended	_					
Convector/Radiator	50%		2037	* *	1	\$1,200	
Air Conditioning	3070		2037		1	\$1,200	
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Interior Pkg Unit -	100%		2028	\$266,100	2	\$500	
Cooling							
Heat Rejection							
Dry Cooler	100%		2032	* *	2	\$5,200	
Ventilation							
Distribution	1000/		LIEE	* *	2.5	£4.200	
Ductwork/Diffusers Exhaust Fans	100%		LIFE		2-5	\$4,200	
Roof	100%		2029	* *	2	\$200	
Plumbing	10070		2027			Ψ200	
H/C Water Piping							
Brass/Copper	100%		2044	* *	1		
Water Heater							
Gas Fired	100%		2022	\$4,300	2	\$100	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	1000/						
Cast Iron	100%		LIFE	* *	1		
Sump Pump(s)	1000/		2020	* *	4	#200	
Non-Submersible	100%		2029	* *	4	\$200	
Backflow Preventer Generic	100%		2029	* *	1	\$500	
Fixtures	10070		2029		1	\$300	
Generic	100%						
	10070						

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$153,900
Electrical		\$172,200
Mechanical	\$248,800	\$152,600
Total	\$248,800	\$478,700
Importance Code A		\$153,900
Importance Code B	\$248,800	\$324,800
Total	\$248,800	\$478,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$30,900			\$3,300
Interior Architecture		\$1,800		\$5,900
Electrical	\$1,200	\$1,400	\$1,200	\$1,300
Mechanical	\$1,300	\$1,800	\$2,200	\$8,700
Total	\$33,400	\$5,000	\$3,400	\$19,200
Importance Code A	\$31,600	\$600	\$600	\$4,000
Importance Code B	\$1,900	\$4,400	\$2,800	\$15,300
Importance Code C				
Total	\$33,400	\$5,000	\$3,400	\$19,200



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 #: 13247

Architecture		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
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	90%	Now	\$30,800	2024	\$153,900			
Membrane								
		er/Miss, Ext n : Through	ent : Moderate, Ar	ea Affect	ed : 25%			
			oui xtent : Moderate, A	rea Affe	cted · 10%			
		ı : First Flo		.rea 11jje	леи . 1070			
Sloped Glazing	10%			LIFE	* *	5	\$28,200	
Interior	1070			LILE			\$20,200	
Floors								
Ceramic Tile	10%			2033	* *	5	\$1,600	
Vinyl Tile	90%			2029	* *	3	\$5,300	
Interior Walls	7070			2027			Ψ5,500	
Concrete Masonry Unit	25%			LIFE	* *	5	\$1,600	
Gypsum Board	75%			LIFE	* *	5	\$1,000 \$7,000	
Ceilings	1370			LIFE		3	\$7,000	
AcousTileSusp.Lay-In	75%			2037	* *	5	\$11,800	
- · ·	75% 25%			LIFE	* *	5		
Plaster	23%			LIFE		3	\$2,500	

lectrical	Current Repair	Future Repla	acement	Ma	aintenance	
ystem Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2034	* *	5	\$100	
	Other Observation, Extent : Mo	derate, Area Affected : 1	00%			
	Location: Electrical Room					
	Explanation : Main Service St	witch Rated @ 600 Ampe	eres			
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.

Asset #: 13247

Electrical	Current Repair	Futur	Future Replacement		Maintenance			
System Component Type	% of Fail Date Estimat Total (Years)	red Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Jnder 600 Volts								
Motor Controllers								
Locally Mounted	100%	2029	* *	5	\$100			
Ground								
Grounding Devices								
Generic	100%	LIFE	* *	5	\$200			
Lighting								
Interior Lighting								
Fluorescent	98%	2024	\$122,600	10	\$11,100			
	T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%							
	Location : Throughout The B	uilding						
Fluorescent	2%	2024	\$2,500	10	\$200			
	Other Observation, Extent: M	Other Observation, Extent: Moderate, Area Affected: 100%						
	Location : Entrance							
	Explanation: Compact Fluor	rescent Light Fixtu	res					
Egress Lighting								
Emergency, Battery	50%	2024	\$8,400	10	\$1,500			
Exit, Service	50%	2024	\$900	1				
Exterior Lighting								
HID	100%	2024	\$47,200	10				
Marm								
Security System								
Generic	100%	2032	* *	1	\$4,600			
	Other Observation, Extent: M	oderate, Area Affe	cted : 100%					
	Location : Throughout The B	uilding						
	Explanation: CCTV Surve	rillance Cameras						
Fire/Smoke Detection								
Generic	100%	2032	* *	1-3	\$7,600			
	Other Observation, Extent: Moderate, Area Affected: 100%							
	Location: Throughout The Building							
	Explanation : Smoke Detecto	r, Manual Pull Sta	tion, Strobe Lights	And Ho	rns			

Mechanical	Current Repair	Future Rep	olacement	Ma	aintenance	
System Component Type	% of Fail Date Estimated Total (Years)	d Cost Year Esti FY	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: Light	nt, Area Affected : 100	%			
	Location : Basement Boiler Ro	oom				
	Explanation: 1 Unit					
Distribution						
Hot Wtr Piping/Pump	100%	2032	* *	4	\$900	

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

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

Asset #: 13247

Mechanical	Current Repair		Future Replacement		M		
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Terminal Devices							
Air Handler	70%		2024	\$115,100	1	\$5,300	
Convector/Radiator	30%		2029	* *	1	\$1,200	
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Int Pkg Unit -	100%		2022	\$248,800	2	\$800	
Heating/Cooling							
		Extent : Light, Area A	ffected :	100%			
	Location : Basem	nent					
Heat Rejection							
Not Accessible	100%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$6,900	
Exhaust Fans							
Interior	90%		2024	\$37,500	2	\$300	
Roof	10%		2024	\$1,900	2		
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2044	* *	1		
Water Heater							
Gas Fired	100%		2022	\$7,100	2	\$200	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Fixtures							
Generic	100%						

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$115,200	\$75,700
Electrical	\$166,800	\$214,100
Mechanical		\$298,500
Total	\$282,000	\$588,200
Importance Code A	\$115,200	\$75,700
Importance Code B	\$166,800	\$512,500
Total	\$282,000	\$588,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$41,500	\$16,900	_	_
Interior Architecture	\$12,200		\$1,500	\$2,500
Electrical	\$23,100	\$1,700	\$10,000	\$1,800
Mechanical	\$1,900	\$1,900	\$8,800	\$2,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$82,600	\$24,400	\$24,200	\$10,400
Importance Code A	\$42,300	\$17,700	\$1,000	\$800
Importance Code B	\$40,400	\$6,700	\$23,200	\$9,600
Importance Code C				
Total	\$82,600	\$24,400	\$24,200	\$10,400



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 #: 13248

Architecture	Current Re	pair	Future	Replacement	Ma	aintenance	
System Component Type	% of Fail Date E Total (Years)	Stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior							
Exterior Walls	50 /			ale ale	_	#1.100	
Masonry: Brick	5%	#2 (00	LIFE	* *	5	\$1,100	
Masonry: Granite	5% Now Jnt Mortar Miss/Erod, I	\$2,600	LIFE		5	\$800	
	Location: Throughout		<i>ч</i> еа Ајјесте	ra: 15%			
Manager			LIEE	* *	-	¢14.100	
Masonry: Limestone	85% Now <i>Jnt Mortar Miss/Erod, I</i>	\$115,200 Extent : Medenal	LIFE		5	\$14,100	
	Location: Throughout		е, Агеи Ај	jeciea . 1576			
Street Community	5% Now		2021	* *		¢1 400	
Stucco Cement	5% NOW Cracking/Crumbling, E.	\$3,200	2031		5	\$1,400	
	Location : Chimney	xieni . Severe, A	геи Ајјест	zu . 1570			
Windows							
Steel	5%		2025	\$15,600	5	\$3,700	
2001	Thermally Inefficient, E	xtent : Moderate		·	Č	Ψ2,700	
	Location : Throughou		. 33				
Wood	95%		2034	* *	5	\$56,200	
	Deteriorated Finish, Ex	tent : Moderate,		cted : 100%	C	\$20,200	
	Location: Throughou		33				
	Thermally Inefficient, E Location : Throughou		e, Area Aff	ected : 100%			
Parapets							
Masonry: Brick	50% Now	\$7,500	LIFE	* *	5	\$1,300	
•	Loose/Delam Surface, H	Extent : Light, Ar	ea Affecte	d : 15%			
	Location: Throughou	t					
Masonry: Limestone	50%		LIFE	* *	5	\$1,600	
•	Worn/Eroded, Extent : I	Light, Area Affec	ted : 100%	6			
	Location: Throughou	t					
Roof							
Roll Roofing	100%		2025	\$75,700	5	\$30,200	
terior							
Floors	50 /		LIPP	مان مان	-	#2 (00	
Cast in Place Concrete	5%		LIFE	* *	5	\$2,600	
Traffic Topping	10% 85% Now	\$8,700	2031 2031	* *	5 3	\$3,000	
Vinyl Tile	Cracking/Crumbling, E.				3	\$7,600	
	Location: Throughout		, 11164 1155	естей . 1570			
Interior Walls							
Concrete Masonry Unit	5%		LIFE	* *	5	\$400	
Gypsum Board	15%		LIFE	* *	5	\$1,800	
Plaster	70%		LIFE	* *	5	\$4,200	
SGFT/Glazed Masonry	10%		LIFE	* *			
,	Other Observation, Exte	ent : Light, Area		100%			
	Location: 1st And 2nd						
	Explanation: Located	In Main Stairw	ell				

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

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

Asset #: 13248

Architecture		Current 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								
Ceilings								
AcousTileConcealSpLn	90%	Now	\$3,500	2039	* *	5	\$13,400	
_	Broken/Mi	ssing Elem	ents, Extent : Light	, Area A	ffected : 5%			
	Location	: At Entry	Vestibule					
Plaster	10%			LIFE	* *	5	\$1,500	

Electrical		Current Repa	ir	Futur	e Replacement	M		
System Component Type	% of Total	Fail Date Esti (Years)	mated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2026	\$1,500	5	\$400	
		ervation, Extent	-	Affected	: 100%			
		: Electrical Roo						
	Explana	ion : 500 Amper	res Service					
Switchgear / Switchboard	4000/				***	_		
Molded Case Bkrs	100%			2026	\$32,700	5	\$400	
Raceway	0.507			2026	000.000	,		
Conduit	95%			2026	\$30,200	1		
Conduit	5%			2036	* *	1		
Panelboards	0.70/					_		
Molded Case Bkrs	95%			2025	\$14,400 * *	5	\$400	
Molded Case Bkrs	5%			2034	* *	5		
Wiring	000/	0.0	#22.5 00	2051	* *			
Braided Cloth	80%	0-2	\$22,500	2051		1		
		Aged, Extent : I		ectea : 1	00%			
		: Throughout T	пе Винатд					
Thermoplastic	20%			2036	* *	1		
Fround								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$200	
ighting								
Interior Lighting	0.507			2026	0152.20 2	1.0	#12.00 0	
Fluorescent	95%	4 1 57	T	2026	\$153,200	10	\$13,900	
	-	s And Fixtures, : Throughout T	_	, Area Aj	fected : 100%			
Incandescent	5%			2021	\$8,100	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	\$60,800	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 #: 13248

Electrical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ted Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm						
Security System						
Generic	100%	2031	* *	1	\$5,900	
	Other Observation, Extent : I	ight, Area Affected	: 100%			
	Location: Throughout The	Building				
	Explanation : CCTV Only	_				
Fire/Smoke Detection						
Generic, Analog	100% 0-2 \$	166,800 2036	* *	1-3	\$8,900	
	Other Observation, Extent : I	ight, Area Affected	: 100%			
	Location: Throughout The	Building				
	Explanation : Outdated - Ve	ry Old Fire Alarm S	System			

Mechanical		Current R	epair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	30%			2046	* *	1		
	Other Obs	servation, Ex	ctent : Light, Area	Affected	: 100%			
	Location	ı:Roof						
	Explana	tion : Electr	ic Coil In Roof Top) Unit				
Natural Gas	70%			2046	* *	1		
Conversion Equipment								
Furnace	30%			2026	\$10,700	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	\$400	
Terminal Devices								
Air Handler	70%			2026	\$148,500	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	\$36,700	2	\$300	
Cooling								
Ext Pkg Unit -	60%			2026	\$113,300	2	\$600	
Heating/Cooling								
Split Unit	10%			2031	* *			
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	\$20,700	
Terminal Devices								
Air Handler/Dir	10%			2026	\$16,900	1		
Expansion								
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	Futur	e Replacement	М	aintenance	
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						
Roof	100%	2031	* *	2	\$500	
Plumbing						
H/C Water Piping	1000/	2046	* *	1		
Brass/Copper	100%	2046	* * *	1		
Water Heater Gas Fired	100%	2024	¢0.200	2	\$200	
Gas Fired	Other Observation, Extent : Light, Ar		\$9,200	Z	\$200	
	Location : Boiler Room	ей Ајјестей	. 100/0			
	Explanation: 1 - 40 Gallon Unit					
Sanitary Piping	Explanation : 1 To Gatton Chit					
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Sump Pump(s)						
Non-Submersible	100%	2031	* *	4	\$500	
Sewage Ejector(s)						
Compressed Air	100%	2046	* *	4	\$200	
Backflow Preventer						
No Component	90%					
Generic	10%	2031	* *	1	\$100	
	Other Observation, Extent : Light, Ar	rea Affected	: 10%			
	Location : Boiler Room					
	Explanation : Boilers Only					
Fixtures	1000/					
Generic	100%					
Vertical Transport						
Elevators	1000/	LIDD	* *			
Hydraulic	100%	LIFE				
	Other Observation, Extent: Light, Ar	rea Affected	: 100%			
	Location: Basement to 2nd Floor					
	Explanation : One Unit					

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$189,400	
Interior Architecture		\$26,500
Mechanical		\$472,600
Total	\$189,400	\$499,100
Importance Code A	\$189,400	
Importance Code B		\$499,100
Total	\$189,400	\$499,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,000		\$21,600	
Interior Architecture	\$6,700	\$2,300		\$2,900
Electrical	\$600	\$500	\$20,800	\$700
Mechanical	\$4,700	\$8,700	\$6,300	\$8,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$26,900	\$15,400	\$52,600	\$15,900
Importance Code A	\$12,000	\$1,100	\$22,700	\$1,100
Importance Code B	\$14,800	\$13,200	\$29,900	\$14,800
Importance Code C		\$1,200		
Total	\$26,900	\$15,400	\$52,600	\$15,900



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	t Repair	Future I	Replacement	M	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls	0.50/ 3.7	0.1.1. - 0.0		di di	_	000.000	
Masonry: Brick	85% Now	\$141,700	LIFE	**	5	\$23,200	
	Location: Southw	g, Extent : Moderate	, Area Affec	ctea : 20%			
		zesi Exii Extent : Moderate, Ai	oa Affactad	. 10%			
	Location : South I		еи Ајјестеи	. 10/0			
		tent : Moderate, Ared	a Affected :	10%			
	Location : Chimn			10,0			
Masonry: Limestone	5%		LIFE	* *	5	\$1,000	
Pre-Cast Concrete	10% Now	\$9,100	LIFE	* *	5	\$8,900	
		od, Extent : Moderat		ected : 25%		* - 9	
	Location: Building	ig Base					
	Open Joints, Extent	: Moderate, Area Aj	fected : 259	%			
	Location: Building	ig Base					
Windows							
Aluminum	93% Now	\$47,700	2042	* *	5	\$2,800	
		ments, Extent : Ligh	t, Area Affe	cted : 10%			
	Location: Throug			C4-1-200/			
	Location : Throug	inct, Extent : Modera	ite, Area Afj	tectea : 20%			
CI DI I		пош	TIPE	* *		#100	
Glass Block	2%	¢1 000	LIFE	* *	5	\$100	
Metal Louvers	5% Now	\$1,800 Extent : Moderate, A	2029				
	Location: South I		неи Ајјесте	a . 20/0			
		, Extent : Moderate,	Area Affect	ted · 20%			
	Location : South I		Tirea Tijjee.	. 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	020/		2021	* *	1.0	#21 000	
Built-Up (BUR)	93%		2031	* *	10	\$21,000	
Skylight, Metal/Glass	5% 20/		2046	* *	10	\$3,800	
Skylight, Metal/Glass Interior	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	\$11,500	
Vinyl Tile	10%		2026	\$26,500	3	\$1,200	

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

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

Asset #: 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	M	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2046	* *	5	\$100	
	Other Observation, Extent : Moder	rate, Area Affec	ted : 100%			
	Location : Electrical Room					
	Explanation: One 1200 Amperes	Main Disconn	ect Switch			
Switchgear / Switchboard						
Fused Disc Sw	60%	2046	* *	5	\$100	
Molded Case Bkrs	40%	2036	* *	5	\$200	
Raceway						
Conduit	70%	2026	\$22,200	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	\$4,500	5	\$100	
Wiring						
Thermoplastic	80%	2046	* *	1		
Thermoplastic	20%	2026	\$5,600	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 : Moder	rate, Area Affec	ted : 100%			
	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.

Maintenance \$ are aggregated over a ten-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 Repai	r Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Esti Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	77%	2031	* *	10	\$15,400	
	Other Observation, Extent Location : Throughout Explanation : T-8 Lamps	: Moderate, Area Affec	eted : 100%			
Fluorescent	20%	2031	* *	10	\$4,000	
	Other Observation, Extent Location : 2nd Floor Hal Explanation : T-5 Lamps					
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	\$2,800	

Mechanical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	st 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, Ar	ea Affected	: 100%			
	Location: Basement					
	Explanation : One Unit					
Distribution						
Hot Wtr Piping/Pump	100%	2048	* *	4	\$1,600	
	Recent Replace Evident, Extent : Light	ht, Area Affe	cted : 100%			
	Location: Basement					
Terminal Devices						
Air Handler	40%	2026	\$116,300	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		

Maintenance \$ are aggregated over a ten-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 Ro	Current Repair Future Replacement			Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning Conversion Equipment Reciprocating Compr/Chiller	100% R-22 Refrigerant, Exte	nt : Light, Area A	2026 ffected :	\$175,500	1	\$10,100	
	Location : Basement						
Distribution CW & CHW Wtr Pipe/Pump	80%		2036	* *	4	\$1,300	
No Component Terminal Devices	20%						
Air Handler/Cool/Ht Air Handler/Cool/Ht	60% 20%		2026 2031	\$139,100 * *	1 1	\$8,100 \$2,700	
Fan Coil - 4 Pipe	20%		2031	* *	1	\$1,400	
Heat Rejection Air Cooled Condenser Unit	100%		2026	\$41,700	2	\$15,200	
Ventilation Distribution Ductwork/Diffusers	100%		LIFE	* *	2-5	\$12,200	
Exhaust Fans Roof	100%		2034	* *	2	\$700	
lumbing							
H/C Water Piping Brass/Copper Galvanized Steel	20% 80%		2036 2031	* *	1 1		
Water Heater Electric	100% Recent Replace Eviden Location : Basement	nt, Extent : Light, .	2025 Area Affe	\$18,200 ected : 100%	4	\$100	
Sanitary Piping Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping Cast Iron	100%		LIFE	* *	1		
Sump Pump(s) Non-Submersible	100% Recent Replace Eviden Location : Basement	nt, Extent : Light, .	2034 Area Affe	* * ected : 100%	4	\$500	
Sewage Ejector(s) Electric	100%		2026	\$6,000	4	\$900	
Backflow Preventer Generic	100% 0-2 Other Observation, Ex Location : Basement		2034 Affected	**	1	\$1,200	
Fixtures	Explanation : Slight	Leak					
Generic Vertical Transport	100%						

Vertical Transport

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 FLATBUSH BRANCH LIBRARY

Asset #: 4202

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

Vertical Transport

Elevators

Hydraulic 100% LIFE **

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

Location: B-2 Explanation: 1 Unit

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$131,300
Electrical		\$197,900
Mechanical	\$97,100	\$133,900
Total	\$97,100	\$463,100
Importance Code A		\$131,300
Importance Code B	\$97,100	\$331,800
Total	\$97,100	\$463,100

Importance Code C				
Importance Code B	\$37,300	\$3,300	\$1,800	\$25,600
Importance Code A	\$14,300	\$600	\$600	\$20,200
Total	\$51,600	\$3,900	\$2,400	\$45,900
Mechanical	\$7,900	\$1,300	\$1,900	\$19,500
Electrical	\$500	\$500	\$400	\$400
Interior Architecture	\$29,500	\$2,100		\$6,300
Exterior Architecture	\$13,600			\$19,600
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022



Maintenance \$ are aggregated over a ten-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 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								
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	
		r Miss/Eroo ı : Window	l, Extent : Moderat Sills	e, Area A	Affected : 50%			
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%	Now	\$4,400	2044	* *	5	\$500	
		_	ents, Extent : Seve oping At East Side	re, Area I	Affected : 25%			
Roof								
Modified Bitumen	25%			2029	* *	10	\$7,400	
Modified Bitumen	75%			2024	\$131,300	10	\$22,300	
nterior Floors								
Ceramic Tile	5%			2033	* *	5	\$900	
Vinyl Tile	95%			2029	* *	3	\$6,400	
Interior Walls							+-,100	
Ceramic Tile	5%			2033	* *	5	\$800	
Gypsum Board	95%			LIFE	* *	5	\$9,300	
Ceilings								
AcousTileConcealSpLn	20%	Now	\$29,500	2044	* *	5	\$2,300	
1		issing Elem	ents, Extent : Mode	erate, Ar	ea Affected : 20%		. ,	
	Location	ı : Mezzani	ne					
	Cracking/	Crumbling,	Extent : Moderate	, Area Aj	ffected : 25%			
	Location	ı : Mezzani	ne					
AcousTileSusp.Lay-In	70%			2037	* *	5	\$12,600	
Gypsum Board	10%			LIFE	* *	5	\$2,300	

Electrical	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Est	timated 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 Ar	mperes				
Raceway							
Conduit	90%	2024	\$28,600	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 Repair	Future	Future Replacement		aintenance			
System Component Type	% of Fail Date Estimated C Total (Years)	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	\$13,600	5	\$300			
Wiring								
Thermoplastic	90%	2024	\$25,300	1				
Thermoplastic	10%	2044	* *	1				
ighting								
Interior Lighting	400/			4.0	* 4 4 0 0			
Fluorescent	40%	2024	\$48,800	10	\$4,400			
	T-8 Lamps And Fixtures, Extent: M		Affected: 100%					
	Location : Throughout The Buildi							
Fluorescent	5%	2024	\$6,100	10	\$600			
	Other Observation, Extent : Modere	ate, Area Affec	ted : 100%					
	Location: 1st Floor							
	Explanation: Compact Fluoresce	ent Light Fixtur	res					
Fluorescent	55%	2024	\$67,100	10	\$6,100			
	T-12 Lamps And Fixtures, Extent: 1	Moderate, Ared	a Affected : 100%					
	Location: Throughout The Buildi	ng						
Egress Lighting								
Emergency, Service	50%	2024	\$3,000	1				
Exit, Service	50%	2024	\$900	1				
Exterior Lighting								
Fluorescent	100%	2024	\$39,100	10	\$1,100			
	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location: Outside							
	Explanation: Compact Fluoresce	ent Light Fixtur	res					
larm								
Security System	1000/		4	_				
Generic	100%	2024	\$36,900	1	\$4,500			
	Other Observation, Extent: Modera		ted : 100%					
	Location: Throughout The Buildi	_						
	Explanation: CCTV Surveillance	Cameras						

Mechanical	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
Heating							
Energy Source							
Natural Gas	100%		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

Mechanical	Current Repair		Futur	e Replacement	M		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Conversion Equipment							
Furnace	40%		2024	\$10,800	1	\$2,400	
	Other Observation, E	Extent : Light, Area	Affected	: 40%			
	Location: Roof						
	Explanation: 2 Roo	of Top Package Uni					
Hot Water Boiler	60%		2037	* *	1	\$3,600	
	Other Observation, E	_	Affected	: 60%			
	Location: 1st Floo						
	Explanation: 1 Un	it					
Distribution (P)	600/		2022	* *	4	ф. г .о.о.	
Hot Wtr Piping/Pump	60%		2032	* *	4	\$500	
No Component	40%						
Terminal Devices	200/		2024	#40.100	1	#2.200	
Air Handler	30%		2024	\$48,100	1	\$2,200	
Convector/Radiator	30%		2022	\$18,300	1	\$1,200	
No Component	40%						
Air Conditioning							
Energy Source Electricity	100%		2032	* *	1		
	10070		2032		1		
Conversion Equipment Int Pkg Unit -	40%		2022	\$97,100	2	\$300	
Heating/Cooling	4070		2022	\$97,100	2	\$300	
ricating/coomig	R-22 Refrigerant, Ex	tent · Lioht Area A	ffected ·	40%			
	Location : 1st Floo	-	-	1070			
Ext Pkg Unit -	60%		2024	\$85,700	2	\$400	
Heating/Cooling	0070		2024	\$65,700	2	\$400	
ricating/Coomig	R-22 Refrigerant, Ex	tent · Light Area A	ffected ·	60%			
	Location: 2 Units (-	ijeeiea .	0070			
Ventilation	Location . L Ontil C						
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$6,700	
Exhaust Fans						<i>\$</i> 3,7 3 3	
Interior	30%		2024	\$12,200	2	\$100	
Roof	70%		2024	\$13,300	2	\$300	
Plumbing				· - y- v ·		**	
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Gas Fired	100%		2019	\$7,000	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: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,400	\$100	\$300	\$5,000
Interior Architecture	\$800	\$1,900	\$400	\$700
Electrical	\$1,000	\$1,300	\$1,200	\$12,700
Mechanical	\$700	\$900	\$1,600	\$1,000
Total	\$5,000	\$4,200	\$3,400	\$19,400
Importance Code A	\$2,900	\$700	\$800	\$5,500
Importance Code B	\$2,000	\$3,500	\$2,600	\$13,600
Importance Code C				\$200
Total	\$5,000	\$4,200	\$3,400	\$19,400



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 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

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								
Masonry: Brick	65%			LIFE	* *	5	\$16,600	
Masonry: Brick	25%			LIFE	* *	5	\$6,400	
			Extent : Light, Are	a Affecte	ed : 100%			
		: 2011 Add	lition					
Masonry: Limestone	5%			LIFE	* *	5	\$1,000	
Metal Panel	5%			2044	* *	5-10	\$8,800	
Windows								
Aluminum	98%			2046	* *	5	\$600	
			ent, Extent : Light, 1	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	\$23,200	10	\$5,000	
Modified Bitumen	30%			2032	* *	10	\$5,000	
		nstruction, : 2011 Add	Extent : Light, Are lition	a Affecte	ed : 100%			
Slate	40%			LIFE	* *			
Interior								
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				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	Curre	nt Repair	Futu	re Replacement	M	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.

BROOKLYN PUBLIC LIBRARY - 038 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

Electrical	Current Repa	ir Future R	eplacement	M	aintenance		
System Component Type	% of Fail Date Est Total (Years)	imated Cost Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Inder 600 Volts	•	•					
Service Equipment							
Fused Disc Sw	100%	2050	* *	5			
	Other Observation, Extens	: Moderate, Area Affecte	d: 100%				
	Location: Basement						
	Explanation : Main Serv	ice Switch Rated @ 400 A	mperes				
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		
ighting							
Interior Lighting	7 00/	• • • • • • • • • • • • • • • • • • • •	ماد ماد	4.0	4.7.4 00		
Fluorescent	50%	2032	* *	10	\$5,200		
	T-8 Lamps And Fixtures, I	ixtent : Moderate, Area A <u>f</u>	fected : 100%				
	Location : Basement						
Fluorescent	50%	2032	* *	10	\$5,200		
	Other Observation, Extens	: Moderate, Area Affecte	d : 100%				
	Location: 1st Floor						
	Explanation: Compact I	Fluorescent Light Fixtures					
Egress Lighting							
Emergency, Battery	50%	2032	* *	10	\$1,400		
Exit, Service	50%	2032	* *	1			
Exterior Lighting							
HID	100%	2032	* *	10			
Alarm							
Security System							
Generic	100%	2032	* *	1	\$4,200		
	Other Observation, Extent: Moderate, Area Affected: 100%						
	Location : Inside And O	=					
- 	Explanation: CCTV S	urveillance Cameras					
Fire/Smoke Detection	1000/		a. ·				
Generic	100%	2032	**	1-3	\$6,900		
	Other Observation, Extens		d: 100%				
	Location: Throughout T	· ·					
	Explanation : Strobe Lig	hts, Smoke Detectors, Ma	nual Pull Statio	n And Al	arm 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	cal Current Repair Future		Replacement Maintenance			
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating Energy Source Natural Gas	100% Now Other Observation, Extent : Severe, Are Location : Basement Explanation : There Is No Air Vent In			1		
Conversion Equipment Furnace	65% Other Observation, Extent: Light, Area Location: Roof Explanation: 2 New Package Units	2032 Affected	**: 65%	1	\$3,600	
Hot Water Boiler	35% Other Observation, Extent: Light, Area Location: Basement Boiler Room Explanation: 1 Unit	2041 Affected	**	1	\$1,900	
Distribution Hot Wtr Piping/Pump No Component	35% 65%	2046	* *	4	\$200	
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, Area Location: Roof Other Observation, Extent: Light, Area Location: Roof Explanation: 2 New Package Units					
Ventilation Distribution						
Ductwork/Diffusers Exhaust Fans Roof	100%	LIFE	* *	2-5	\$6,300 \$300	
Plumbing H/C Water Piping	100%	2032		2	\$300	
Brass/Copper Water Heater	100%	2050	* *	1		
Gas Fired Sanitary Piping	100%	2023	\$6,500	2	\$200	
Cast Iron Storm Drain Piping	100%	LIFE	* *	1		
Cast Iron Fixtures Generic	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.

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BROOKLYN PUBLIC LIBRARY - 038 FORT HAMILTON BRANCH LIBRARY

Asset #: 13250

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : GREENPOINT BRANCH LIBRARY
Address : 107 NORMAN AVE. @LEONARD ST.

Borough : BROOKLYN Agency's Number : 41

Area Sq Ft : 7,058 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Roof, Floors 1

Block : 2621 Lot : 32 BIN : 3065691

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$65,600
Interior Architecture	\$79,900	
Mechanical	\$169,300	
Total	\$249,200	\$65,600
Importance Code A		\$65,600
Importance Code B	\$249,200	
Total	\$249,200	\$65,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$42,800			
Interior Architecture		\$1,200		
Electrical	\$41,400	\$100	\$100	\$21,600
Mechanical	\$20,000	\$1,600	\$3,100	\$1,800
Total	\$104,200	\$2,900	\$3,200	\$23,400
Importance Code A	\$45,100	\$700	\$700	\$700
Importance Code B	\$59,100	\$2,200	\$2,500	\$22,700
Importance Code C				
Total	\$104,200	\$2,900	\$3,200	\$23,400



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 #: 13251

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								
Exterior Walls								
Masonry: Brick	75%			LIFE	* *	5	\$10,500	
Masonry: Limestone	15%			LIFE	* *	5	\$1,600	
Metal Panel	5%			2044	* *	5-10	\$4,800	
Window Wall	5%			2044	* *	5	\$2,600	
Windows						_	****	
Aluminum	100%		\$20,300	2040	**	5	\$800	
	-		ent : Moderate, Are		d: 15%			
	Location	i : various i	Locations Through	out				
Parapets Magangu Briefs	95%			LIEE	* *	-	ØC 100	
Masonry: Brick	95% 5%	Now	¢6 900	LIFE LIFE	* *	5 5	\$6,100	
Masonry: Limestone			\$6,800			3	\$400	
			Extent : Moderate At North Facade	, Area A <u>j</u>	jeciea : 5%			
			u North Facaae l, Extent : Moderat	a Araa A	ffeeted . 25%			
		i : Coping	i, Extent . Moderat	е, Агеи А	gjeciea . 2570			
Roof	Locuiton	i. Coping						
Single Ply Membrane	100%	Now	\$13,100	2024	\$65,600			
Single 1 ly Memorane			at, Extent : Light, A					
	-	•	Locations Through					
terior								
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$1,100	
Ceramic Tile	3%			2033	* *	5	\$300	
Terrazzo	2%			LIFE	* *	5	\$200	
Vinyl Tile	90%			2029	* *	3	\$3,500	
Interior Walls							·	
Ceramic Tile	3%			2033	* *	5	\$300	
Concrete Masonry Unit	92%			LIFE	* *	5	\$4,200	
Masonry: Brick	5%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	95%	4+	\$79,900	2044	* *	5	\$4,900	
		issing Elem 1 : First Flo	ents, Extent : Mode or	erate, Ar	ea Affected : 10%			
	_	Discoloring, a : First Flo	Extent : Moderate	, Area Aj	fected : 50%			
			: Moderate, Area A	Affected :	25%			
		: First Flo		33	20,0			

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

Under 600 Volts

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

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

Asset #: 13251

Electrical	Current Repair	nt Repair Future Replacement		nt Repair Future Replacement Maintenance		aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Service Equipment							
Molded Case Bkrs	100%	2024	\$1,500	5	\$200		
	Other Observation, Extent : Moderate,	Area Affe	ected : 100%				
	Location: Electrical Room	- .					
0 1 1 /0 1 11	Explanation: One 400 Amperes Mair	n Disconn	ect Switch				
Switchgear / Switchboard Molded Case Bkrs	100%	2024	\$32,700	5	\$200		
Raceway							
Conduit	95%	2024	\$30,200	1			
Conduit	5%	2050	* *	1			
Panelboards	·			_		_	
Fused Disc Sw	5%	2023	\$800	5			
Molded Case Bkrs	95%	2023	\$14,400	5	\$200		
Wiring							
Thermoplastic	95%	2024	\$26,700	1			
Thermoplastic	5%	2050	* *	1			
Motor Controllers							
Locally Mounted	100%	2022	\$15,300	5			
Ground							
Grounding Devices	1000/ 0.4		ماد ماد	-	#100		
Generic	100% 2-4 \$9,600 Other Observation, Extent: Moderate, Location: Water Main Pipe Explanation: Corroded	LIFE Area Affe	* * ected : 100%	5	\$100		
Lighting	Explanation . Corroaca						
Interior Lighting							
Fluorescent	95%	2032	* *	10	\$6,200		
	Other Observation, Extent : Moderate,		ected : 100%		, , , , , ,		
	Location: Throughout The Building						
	Explanation: T-8 Lamps						
Incandescent	5%	2019	\$3,600	2			
Egress Lighting							
Emergency, Battery	50%	2029	* *	10	\$900		
Exit, Service	50%	2029	* *	1			
Exterior Lighting							
HID	100%	2019	\$27,000	10			
Alarm			· · · · · · · · · · · · · · · · · · ·				
Security System							
No Component	70%						
Generic	30%	2034	* *	1	\$800		

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

Heating

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

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

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

Asset #: 13251

Mechanical		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
Heating Energy Source Natural Gas	100%			2034	* *	1		
Conversion Equipment Steam Boiler	Malfunction Location Other Observation	ı : Control	Extent : Light, Area ical Room			1	\$6,300	
Distribution Central Plant Steam Piping/Pmp	100%			2034	* *	4	\$300	
Terminal Devices Air Handler	Obsolete l	Now Equipment, 1 : Mechani	\$94,200 Extent : Severe, Ar ical Room	2034 ea Affect	* * red : 100%	1	\$3,900	
Air Conditioning Energy Source Electricity	100%			2040	* *	1		
Terminal Devices Air Handler/Cool/Ht	100% Obsolete l	Now	\$75,100 Extent : Severe, Artical Room	2034	* * red : 100%	1	\$3,900	
Heat Rejection Air Cooled Condenser Unit		Now	\$13,500	2034	* *	2	\$3,900	
	Location Other Obs Location	n : Roof servation, E	evere, Area Affectea Extent : Light, Area Is Used		: 1%			
Ventilation	Ехрини	. R 22	15 0 500					
Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,900	
Exhaust Fans Interior Roof	40% 60%			2024 2024	\$9,500 \$6,700	2 2	\$100 \$100	
Plumbing H/C Water Piping Galvanized Steel	100%			2029	* *	1		
Water Heater Gas Fired	Location			2019 Affected	\$4,100 : 100%	2	\$100	
Sanitary Piping Cast Iron	100%		∵ i viti	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.

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BROOKLYN PUBLIC LIBRARY - 038 GREENPOINT BRANCH LIBRARY

Asset #: 13251

Mechanical	Current Repair	Future Repla	cement	Maintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estima	nted Cost Cyc (Yı		Priority
Plumbing					
Storm Drain Piping					
Cast Iron	100%	LIFE	* * 1		
Fixtures					
Generic	100%				
	Obsolete Fixtures, Extent: Mod	erate, Area Affected : 30	%		
	Location: Throughout				
Fire Suppression					
Chemical System					
No Component	90%				
Generic	10%	2019	\$200 1-3	\$400	
	Other Observation, Extent : Lig	ht, Area Affected : 100%			
	Location: Throughout				
	Explanation: Fire Extinguishe	ers			

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : HIGHLAWN BRANCH LIBRARY
Address : 1664 WEST 13TH @KINGS HIGHWAY

Borough : BROOKLYN Agency's Number : 42

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1

Block : 6618 Lot : 34 BIN : 3175253

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$109,200
Electrical		\$68,500
Mechanical		\$190,000
Total		\$367,700
Importance Code A		\$109,200
Importance Code B		\$258,500
Total		\$367 700

Total \$367,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$16,900	1 1 2020	112021	112022
Interior Architecture	\$22,400	\$100	\$500	\$4,000
Electrical	\$6,700	\$200	\$300	\$200
Mechanical	\$900	\$2,200	\$1,500	\$8,100
Total	\$46,900	\$2,600	\$2,300	\$12,300
Importance Code A	\$17,400	\$400	\$400	\$400
Importance Code B	\$29,500	\$2,200	\$1,900	\$12,000
Importance Code C				
Total	\$46,900	\$2,600	\$2,300	\$12,300



 $[\]label{lem:maintenance} \textit{Maintenance \$ are aggregated over a 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 HIGHLAWN BRANCH LIBRARY

Asset #: 13252

70% 20% 10% 100% prrosion/	Fail Date (Years)	Estimated Cost	Year FY LIFE LIFE	Estimated Cost	(Yrs)	Estimated Cost	Priority
20% 10% 100% prrosion/				* *	-		
20% 10% 100% prrosion/				* *	_		
20% 10% 100% prrosion/				* *		444	
10% 100% orrosion/			LIEE	ate ate	5	\$13,200	
100% orrosion/				* *	5	\$2,800	
orrosion/.			LIFE	T T	5	\$1,400	
orrosion/.	0-2	\$6,000	2032	* *	5	\$700	
		\$0,000 xtent : Moderate, A			3	\$700	
Location	: Through		irea rijjet				
	_		Area Affe	cted : 10%			
			17 000 1 199 0				
	_		lose				
1	- 55						
100%	0-2	\$10,900	2024	\$109,200			
isters, Ex	ctent : Mod	lerate, Area Affecte	ed:5%				
Location	: Lower Ro	of					
_			ed: 20%				
			ffected :	30%			
Location	: Througho	out					
700/	0.2	#10.200	2025	ΦΩΣ ΩΩΩ	2	ф11 100	
					3	\$11,100	
_	_		, Area A <u>j</u>	jeciea : 20%			
	. Inrough	<i></i>	LIPP	* * *		#1 200	
						·	
	Now	\$2,200					
					3	\$800	
_			Агей Ауу	естей . 10/0			
	. Bray Hoo		2020	* *	2	\$400	
1070			2029		J	\$ 4 00	
50/			2033	* *	5	\$300	
				* *			
				* *			
				* *	J	ψπου	
. 0 . 0							
5%			2037	* *	5	\$700	
10%			2041	* *	5		
5%			LIFE	* *		. , .	
80%			LIFE	* *	5	\$5,300	
	Location 100% isters, Excocation orn/Erod Location 70% mining/D Location 5% 10% 5% 20% 70% 5% 10% 5% 10% 5%	Location: Throughed Explanation: Diffice 100% 0-2 isters, Extent: Mode Location: Lower Royalding, Extent: Mode Location: Throughed Discoloring, Location: Throughed 10% Now isaligned/Bulging, 10% 10% 5% 5% 20% 70% 5% 10% 5% 5% 10% 5% 5% 20% 70% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	Location: Throughout Explanation: Difficult To Open And C 100% 0-2 \$10,900 isters, Extent: Moderate, Area Affecte Location: Lower Roof onding, Extent: Moderate, Area Affecte Location: Throughout orn/Eroded, Extent: Moderate, Area Affecte Location: Throughout 70% 0-2 \$19,200 mining/Discoloring, Extent: Moderate Location: Throughout 5% 5% 10% Now \$3,200 isaligned/Bulging, Extent: Moderate, Location: Staff Room 10% 5% 5% 20% 70% 5% 10% 5% 10% 5%	Location: Throughout Explanation: Difficult To Open And Close 100% 0-2 \$10,900 2024 isters, Extent: Moderate, Area Affected: 5% Location: Lower Roof Inding, Extent: Moderate, Area Affected: 20% Location: Throughout Indication: Throughout 70% 0-2 \$19,200 2025 Inining/Discoloring, Extent: Moderate, Area Affected: 20% Location: Throughout 5% LIFE 5% 2033 10% Now \$3,200 2029 istaligned/Bulging, Extent: Moderate, Area Affected: Moderate, Area Affected: 20% LIFE 20% 2029 5% 2033 5% LIFE 20% LIFE 70% LIFE 5% 2037 10% 2041 5% 2041 LIFE	100%	100%	Cocation : Throughout

Electrical	Current Repair			Futur	re Replacement	M		
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 HIGHLAWN BRANCH LIBRARY

Asset #: 13252

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	Location	: Electrica				5	\$200	
Switchgear / Switchboard	Explanat	ion : One I	Electrical Service R	ated At	350 Amperes			
Molded Case Bkrs	100%			2024	\$32,700	5	\$200	
Raceway Conduit	90%			2024	\$28,600	1		
Conduit	10%			2050	**	1		
Panelboards	1070			2000				
Molded Case Bkrs	80%			2023	\$12,100	5	\$200	
Molded Case Bkrs	20%			2046	* *	5		
Wiring Braided Cloth		2-4 Aged, Exte : Basemen	\$5,600 ent : Moderate, Area	2049 a Affecte	* * d : 100%	1		
Thermoplastic	70%			2024	\$19,700	1		
Thermoplastic	10%			2050	* *	1		
Motor Controllers Locally Mounted	100%			2041	* *	5	\$100	
Fround Grounding Devices Generic	100% Other Obse	ervation, E	Extent : Moderate, A	LIFE Area Affe	* * cted : 100%	5	\$100	
		: Basemen ion : Conn	t ected To Main Wate	er Pipe				
ighting								
Interior Lighting Fluorescent	_	And Fixtu : Basemen	res, Extent : Moder tt	2029 cate, Ared	* * a Affected : 100%	10	\$700	
Fluorescent	Location	ervation, E : Through ion : T-12		2024 Area Affe	\$68,500 cted: 100%	10	\$6,200	
Egress Lighting	<u> </u>							
Exit, Service	50%			2024	\$500	1		
Exit, Battery	50%			2024	\$1,700	10	\$300	
Exterior Lighting HID	100%			2024	\$28,700	10		
larm								
Security System	0001							
No Component	80%			2024	¢4.600	1	\$600	
Generic	20%			2024	\$4,600	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 HIGHLAWN BRANCH LIBRARY

Asset #: 13252

Electrical	Curren	Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm							
Fire/Smoke Detection							
No Component	70%						
Generic	30%		2024	\$23,600	1-3	\$1,400	

Mechanical		Current F	Repair	Futur	e Replacement	M		
System Component Type		ail 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%			2037	**	1	\$3,700	
			xtent : Light, Area	Affected	: 100%			
			t Boiler Room					
D'ata'llad'an	Explanatio	on : 2 Uni	ts					
Distribution Hot Wtr Piping/Pump	100%			2040	* *	4	\$600	
Terminal Devices	10070			2040		4	\$000	
Air Handler	75%			2029	* *	1	\$3,500	
Convector/Radiator	25%			2029	* *	1	\$600	
Air Conditioning	2370			2029		1	\$000	
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Int Pkg Unit -	100%			2025	\$151,300	2	\$500	
Heating/Cooling					* - /		****	
6	R-22 Refrige	erant, Ext	ent : Light, Area A	ffected :	100%			
	Location:	Basemen	t Equipment Room					
Heat Rejection								
Dry Cooler	100%			2024	\$38,700	2	\$5,200	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$4,200	
Exhaust Fans								
Interior	80%			2029	* *	2	\$200	
Roof	20%			2029	* *	2		
Plumbing								
H/C Water Piping	100%			2034	* *	1		
Brass/Copper Water Heater	100%			2034		1		
Water Heater Electric	100%			2022	\$6,300	4		
Sanitary Piping	10070			2022	\$0,300	+		
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping	10070			LIFE		1		
Cast Iron	100%			LIFE	* *	1		
	10070			LIIL		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.

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BROOKLYN PUBLIC LIBRARY - 038 HIGHLAWN BRANCH LIBRARY

Asset #: 13252

Mechanical	Current Repair	Future Replacement Ma		aintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Sump Pump(s)						
Non-Submersible	100%	2024	\$1,100	4	\$200	
Sewage Ejector(s)						
Electric	100%	2024	\$2,000	4	\$400	
Fixtures						
Generic	100%					

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : JAMAICA BAY BRANCH LIBRARY
Address : 9727 SEAVIEW AVE. @E. 98 STREET

Borough : BROOKLYN Agency's Number : 81

Area Sq Ft : 7,852 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 19-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1,1m

Block : 8300 Lot : 1 BIN : 3234514

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$79,600
Total		\$79,600
Importance Code B		\$79,600
Total		\$79,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$20,500			
Interior Architecture		\$1,400		
Electrical	\$1,000	\$900	\$700	\$700
Mechanical	\$5,200	\$500	\$1,300	\$500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$30,600	\$6,800	\$5,900	\$5,200
Importance Code A	\$21,000	\$400	\$400	\$400
Importance Code B	\$9,600	\$6,400	\$5,500	\$4,800
Total	\$30,600	\$6,800	\$5,900	\$5,200



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

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

BROOKLYN PUBLIC LIBRARY - 038 JAMAICA BAY BRANCH LIBRARY

Asset #: 13253

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	90%			LIFE	* *	5	\$11,600	
Pre-Cast Concrete	3%			LIFE	* *	5	\$2,000	
Window Wall	7%			2044	* *	5	\$5,400	
Windows								
Glass Block	100%			LIFE	* *	5	\$2,000	
Parapets								
Concrete Masonry Unit	95%			LIFE	* *	5		
Pre-Cast Concrete	5%			LIFE	* *	5		
Roof								
Modified Bitumen	100%			2029	* *	10	\$17,800	
Interior								
Floors								
Ceramic Tile	5%			2033	* *	5	\$600	
Vinyl Tile	95%			2029	* *	3	\$4,200	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	* *	5		
Ceilings								
AcousTileSusp.Lay-In	90%			2037	* *	5		
Gypsum Board	10%			LIFE	* *	5		

Electrical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Molded Case Bkrs	100%		2024	\$1,500	5	\$200	
	Other Observation, E	Extent : Moderate, A	rea Affe	cted : 100%			
	Location : Electric	al Closet In The Me	eting Ro	om			
	Explanation: Main	Service Switch Rat	ed @ 40	0 Amperes			
Switchgear / Switchboard							
Molded Case Bkrs	100%		2024	\$32,700	5	\$200	
Raceway							
Conduit	20%		2044	* *	1		
Conduit	80%		2024	\$25,400	1		
Panelboards							
Molded Case Bkrs	20%		2040	* *	5		
Molded Case Bkrs	80%		2023	\$12,100	5	\$200	
Wiring							
Thermoplastic	30%		2044	* *	1		
Thermoplastic	70%		2024	\$19,700	1		
Motor Controllers							
Locally Mounted	30%		2037	* *	5		
Locally Mounted	70%		2029	* *	5		

Ground

Maintenance \$ are aggregated over a 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 JAMAICA BAY BRANCH LIBRARY

Asset #: 13253

Electrical	Current Repair	Futur	e Replacement	M		
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$100	
Lighting						
Interior Lighting						
Fluorescent	10%	2024	\$8,000	10	\$700	
	Other Observation, Extent : Moder Location : Reading Area	rate, Area Affed	cted : 100%			
	Explanation: Compact Fluoresco	ent Light Fixtu	res			
Fluorescent	90%	2024	\$71,700	10	\$6,500	
	T-8 Lamps And Fixtures, Extent : M Location : Throughout The Build		Affected: 100%			
Egress Lighting						
Emergency, Battery	50%	2024	\$5,400	10	\$900	
Exit, LED	50%	2039	* *	1		
Exterior Lighting						
HID	100%	2024	\$30,000	10		
larm						
Security System						
Generic	100%	2032	* *	1	\$2,900	
	Other Observation, Extent : Moder		cted : 100%			
	Location : Throughout The Build	_				
	Explanation: C C T V Surveillar	nce Cameras				
Fire/Smoke Detection						
Generic	100%	2032	* *	1-3	\$4,800	
	Other Observation, Extent : Moder		cted : 100%			
	Location : Throughout The Build					
	Explanation: Strobe Lights, Man	ual Pull Statio	ons, Horns And Ald	arm Bells	•	

Mechanical	Current Repair	Futur	e Replacement	M		
system Component Type	% of Fail Date Estimated Co Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
eating						
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Furnace	65%	2029	* *	1	\$2,500	
	Other Observation, Extent: Light, A Location: Roof Explanation: 4 Package Units	rea Affected	: 65%			
Hot Water Boiler	35%	2037	* *	1	\$1,400	
Hot Water Boller	Other Observation, Extent: Light, Area Affected: 35% Location: Ist Floor Boiler Room Explanation: 2 Units					
Distribution						
Hot Wtr Piping/Pump	35%	2040	* *	4	\$200	
No Component	65%					

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 JAMAICA BAY BRANCH LIBRARY

Asset #: 13253

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
Heating						
Terminal Devices						
Convector/Radiator	35%	2037	* *	1	\$900	
No Component	65%					
Air Conditioning						
Energy Source	1000/	2040	* *	1		
Electricity	100%	2040	<i>*</i> *	1		
Conversion Equipment	1000/	2020	* *	2	\$500	
Ext Pkg Unit - Heating/Cooling	100%	2029		2	\$500	
ricating/Coomig	R-22 Refrigerant, Extent :	Light, Area Affected :	100%			
	Location: Roof	218.111, 111 ett 13,5 eet ett 1	100,0			
	Other Observation, Extent	: Light, Area Affected	: 100%			
	Location: Roof	0 , 33				
	Explanation : 4 Package	Units				
Ventilation						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$4,400	
Exhaust Fans						
Roof	100%	2029	* *	2	\$200	
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2019	\$4,500	2	\$100	
Sanitary Piping		_				
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping		_				
Cast Iron	100%	LIFE	* *	1		
Fixtures	4000/					
Generic	100%					

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
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 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture		\$20,100	\$3,800	\$14,500
Interior Architecture		\$1,100	\$3,200	\$13,000
Electrical	\$1,300	\$1,800	\$1,800	\$22,000
Mechanical	\$1,700	\$5,600	\$3,300	\$5,300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$7,000	\$32,500	\$16,000	\$58,800
Importance Code A	\$1,000	\$21,100	\$4,800	\$15,500
Importance Code B	\$6,000	\$11,400	\$11,200	\$43,400
Importance Code C				
Total	\$7,000	\$32,500	\$16,000	\$58,800



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

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

Asset #: 14461

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								
Concrete Masonry Unit	5%			LIFE	* *	5	\$900	
			Extent : Light, Are	a Affecte	ed : 100%			
	Location	: 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	
terior								
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 R	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of F Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

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

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

Asset #: 14461

Electrical	Current Repair	Future Repla	uture Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	st Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Fused Disc Sw	50%	2050	* *	5		
	Other Observation, Extent : Moderate Location : Electrical Room	e, Area Affected : 1	00%			
	Explanation : One 1600 Amperes M	ain Disconnect Sw	itch			
Fused Disc Sw	50%	2050	* *	5		
1 4500 5 150 5 11	Other Observation, Extent : Moderate Location : Electrical Room		00%	J		
	Explanation : One 100 Amperes Ma	in Disconnect Swit	ch For Em	ergency		
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	1000/	LIEE	* *	_	#200	
Generic	100%	LIFE	* *	5	\$300	
Lighting Interior Lighting						
Fluorescent	10%	2032	* *	10	\$1,800	
Tuorescent	T-5 Lamps And Fixtures, Extent: Mod		ed · 100%	10	\$1,000	
	Location: Hallway, Lobby And Mee		. 100,0			
Fluorescent	90%	2032	* *	10	\$16,400	
Puolescent	T-8 Lamps And Fixtures, Extent: Mod			10	\$10,400	
	Location: Throughout The Building		cu . 10070			
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	

Maintenance \$ are aggregated over a ten-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 R	Current Repair		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%		2050	* *	1		
Conversion Equipment Furnace	70% Other Observation, Ex Location: 2 Are On Explanation: 3 Pack	Lower Roof, 1 Is C	2032 Affected .		1	\$6,900	
Hot Water Boiler	30% Other Observation, Ex Location: Basement Explanation: 2 Unit	xtent : Light, Area . t Boiler Room	2041 Affected .	**	1	\$3,000	
Distribution Hot Wtr Piping/Pump No Component	30% 70%		2046	* *	4	\$300	
Terminal Devices Convector/Radiator No Component	30% 70%		2041	* *	1	\$1,900	
Air Conditioning Energy Source Electricity	100%		2046	* *	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%		2032	* *	2	\$1,200	
	Other Observation, Ex Location: 2 Are On Explanation: 3 Pack	Lower Roof, 1 Is C					
Heat Rejection Air Cooled Condenser Unit	100%		2032	* *	2	\$13,900	
	Other Observation, Ex Location: Higher Ro Explanation: 3 Unit	oof	Affected .	: 100%			
Ventilation							
Distribution Ductwork/Diffusers Exhaust Fans	100%		LIFE	* *	2-5	\$11,100	
Roof	100%		2032	* *	2	\$600	
Plumbing H/C Water Piping Brass/Copper	100%		2050	* *	1		
Water Heater Gas Fired	100%		2023	\$11,500	2	\$300	
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.

Asset #: 14461

Mechanical	Current Repair	Future Rep	lacement	Maintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estin		vcle Estimated Cost Vrs)	Priority
Plumbing					
Sewage Ejector(s)					
Electric	100%	2032	* * 2	\$1,200	
Backflow Preventer					
Generic	100%	2032	* *	1 \$1,200	
Fixtures					
Generic	100%				
Vertical Transport					
Elevators					
Hydraulic	100%	LIFE	* *		
	Other Observation, Extent : Lig	ht, Area Affected : 1009	%		
	Location: B, 1, 2				
	Explanation: 1 Unit				
Fire Suppression					
Sprinkler					
Generic	100%	2050	** 1-	-2 \$5,600	

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$142,200	\$154,000
Electrical		\$46,900
Total	\$142,200	\$200,800
Importance Code A	\$142,200	\$154,000
Importance Code B		\$46,900
Total	\$142,200	\$200,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,400			
Interior Architecture	\$500	\$2,700		\$10,100
Electrical	\$15,400	\$600	\$400	\$400
Mechanical	\$3,100	\$1,000	\$4,200	\$700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$25,400	\$8,200	\$8,600	\$15,200
Importance Code A	\$3,200	\$700	\$700	\$700
Importance Code B	\$22,200	\$7,500	\$7,900	\$14,500
Importance Code C				
Total	\$25,400	\$8,200	\$8,600	\$15,200



 $[\]label{lem:maintenance} \textit{Maintenance \$ are aggregated over a ten-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 I	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls								
Masonry: Brick	25%			LIFE	* *	5	\$5,800	
Masonry: Brick	70%		\$49,800	LIFE	* *	5	\$16,300	
			l, Extent : Moderat		Affected : 40%			
			outh And East Face					
			derate, Area Affect	ed : 10%	ó			
	Location	ı : Through	out					
Masonry: Granite	5%			LIFE	* *	5	\$900	
Windows								
Aluminum	70%	0-2	\$2,400	2032	* *	5	\$300	
	Water Pen	etration, E.	xtent : Moderate, A	rea Affe	cted : 30%			
	Location	ı : West Fac	cade, Staff Work Ro	om				
Glass Block	30%			LIFE	* *	5	\$200	
Roof								
Modified Bitumen	100%	0-2	\$92,400	2024	\$154,000			1
	Blisters, E	Extent : Mod	lerate, Area Affecte	d: 40%	•			
	Location	: Through	out					
	Water Pen	etration, E.	xtent : Severe, Area	Affected	l : 30%			
	Location	: Through	out					
nterior								
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	10%	Now	\$500	LIFE	* *	5	\$2,800	
	Water Pen	etration, E.	xtent : Moderate, A	rea Affe	cted : 5%			
	Location	a : North Si	de At Mezzanine Be	low Duc	rt			

lectrical	Current Repair		eplacement	M		
vstem Component Type	% of Fail Date Estimated Cos Total (Years)	Year Es	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	* *	5	\$100	
	Other Observation, Extent: Moderate	e, Area Affected	d: 100%			
	Location : Electrical Room					
	Explanation: 2-400 Amperes					
Switchgear / Switchboard						
Molded Case Bkrs	100%	2044	* *	5	\$400	
Raceway						
Conduit	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 #: 13254

Electrical	Current Repair	Future Replacement	Maintenance
System Component Type	% of Fail Date Estimat Total (Years)	ed Cost Year Estimated Cost FY	Cycle Estimated Cost (Yrs) Priori
Under 600 Volts			•
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 : M	oderate, Area Affected : 100%	
	Location: Basement		
	Explanation : Water Main		
Lighting			
Interior Lighting	0.507	2020 **	10 012 000
Fluorescent	95%	2029	10 \$13,000
	Other Observation, Extent : M		
	Location: Throughout The B	uitaing	
	Explanation: T-8 Lamps	2020	10
HID	5%	2029 **	10
Egress Lighting	-00/	a a a a	44.000
Emergency, Battery	50%	2029 **	10 \$1,800
Exit, Service	50%	2029 **	1
Exterior Lighting	1000/	2020 **	10
HID	100%	2029 **	10
Alarm			
Security System	900/		
No Component	80%	2024 #0.100	1 01 100
Generic Fig. (C. 1) P. (c. 1)	20%	2024 \$9,100	1 \$1,100
Fire/Smoke Detection	700/		
No Component	70%	2024 646 000	1.2 \$2.700
Generic	30%	2024 \$46,900	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
Ieating						
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

Maintenance \$ are aggregated over a ten-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	pair	Future R	eplacement	M	aintenance	
System Component Type	% of Fail Date F Total (Years)	Estimated Cost	Year Es FY	stimated 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	D 22 D C : E .		cc , 1 100	20/			
	R-22 Refrigerant, Exten	t : Light, Area Aj	fected: 100)%			
	Location: Roof	T:-1-4 A	A CC 4 - 1 - 1	000/			
	Other Observation, Ext	ent : Light, Area I	Affectea : 10	00%			
	Location : Roof Explanation : 2 Packa	ua a Iluita					
Heat Deigntian	Explanation : 2 Packe	ige Units					
Heat Rejection Air Cooled Condenser	100%		2029	* *	2	\$10,400	
Unit	10070		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 Piping							
Brass/Copper	100%		2044	* *	1		
Water Heater							
Electric	100%		2023	\$12,400	4	\$100	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Sewage Ejector(s)							
Electric	100%		2024	\$4,100	4	\$900	
	Other Observation, Ext	-					
	Location: Basement I	Mechanical Equip	pment Roon	ı			
T.	Explanation: 1 Unit						
Fixtures	1000/						
Generic	100%						
Vertical Transport							
Elevators	100%		LIFE	* *			
Hydraulic	100% Other Observation, Ext	ant · Light Ama					
	Location: B, 1, 2	гт . Ligni, Area i	пујества . 10	00/0			
	Explanation: 1 Unit						

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$91,100	
Interior Architecture	\$44,100	
Mechanical		\$288,400
Total	\$135,200	\$288,400
Importance Code A	\$91,100	
Importance Code B		\$288,400
Importance Code C	\$44,100	
Total	\$135,200	\$288,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$40,600	\$2,300		
Interior Architecture	\$20,800	\$3,600		
Electrical	\$700	\$900	\$1,100	\$700
Mechanical	\$7,200	\$3,400	\$7,100	\$16,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$73,200	\$14,200	\$12,100	\$21,200
Importance Code A	\$41,800	\$3,500	\$1,200	\$1,200
Importance Code B	\$31,400	\$10,600	\$10,900	\$20,100
Importance Code C	•	,	,	
Total	\$73,200	\$14,200	\$12,100	\$21,200



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

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

Asset #: 4206

Architecture	Current F	Repair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls							
Masonry: Brick	90% 0-2 Jnt Mortar Miss/Erod Location: Through Water Penetration, E. Location: Kitchen A	out xtent : Light, Area	Affected		5	\$29,800	
Masonry: Limestone	2%		LIFE	* *	5	\$500	
Metal Panel	5%		2044	* *	5-10	\$11,400	
Window Wall	3%		2044	* *	5	\$3,700	
Windows	370		2044			\$5,700	
Aluminum	100%		2040	* *	5	\$4,600	
Parapets	100,0					ψ 1,000	
Masonry: Brick	80% Now Jnt Mortar Miss/Eroc Location : Through Spalling, Extent : Mo Location : Through	out derate, Area Affect			5	\$3,200	
	Worn/Eroded, Extent Location : Through		Affected :	5%			
Masonry: Limestone	15% 0-2 Cracking/Crumbling, Location: Through	_	LIFE ea Affecte	* * ed : 10%	5	\$700	
Metal Panel	5%		2044	* *	5	\$800	
Roof							
Modified Bitumen	100% Now Miss/Damaged Flash Location: Over Fir Patching Evident, Ex. Location: Through Water Penetration, E. Location: Through	st Floor tent : Light, Area A out xtent : Moderate, A	ffected :	5%			
nterior							
Floors							
Cast in Place Concrete	10%		LIFE	* *	5	\$7,800	
Ceramic Tile	5% 4+ Worn/Eroded, Extent Location : Public B		2033 Affected :	**	5	\$900	
Terrazzo	5% Now Ponding, Extent: Lig Location: By Exit I			* *	5	\$1,400	
	Other Observation, E Location: By Exit I Explanation: Water	Door On First Floo	r		Rain Fl	oodina This Area	
Vinyl Tile	80%	1 cherates 1 fort	2029	**	3	\$10,700	
vinyi ine	00/0		2029		J	\$10,700	

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

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

Asset #: 4206

Architecture		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
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	\$44,100	LIFE	* *			
•	Water Pen	etration, E.	xtent : Moderate, A	rea Affec	cted : 10%			
	Location	: Kitchen	And Office In Bases	ment				
Ceilings								
AcousTileSusp.Lay-In	45%	Now	\$13,100	2037	* *	5	\$8,000	
	Staining/D	iscoloring,	Extent : Moderate	, Area Aj	fected : 20%			
	Location	: Through	out					
	Water Pen	etration, E.	xtent : Moderate, A	rea Affec	cted : 10%			
	Location	: 2nd Floo	or By Stair B, Audit	orium, B	asement By Elevat	or And E	levator Room	
Exposed Concrete	25%			LIFE	* *	5	\$1,400	
Plaster	25%			LIFE	* *	5	\$5,600	
Wood	5%			LIFE	* *	5	\$15,600	

% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle	Estimated Cost	
		FX		(Yrs)	Estimated Cost	Priority
100%		2050	* *	5	\$100	
her Observation, E	Extent : Moderate, A	rea Affe	cted : 100%			
Location : Electrica	al Room					
Explanation : One	1200 Amperes Main	Disconi	nect Switch			
100%		2050	* *	5	\$100	
100%		2054	* *	1		
5%		2046	* *	5		
95%		2046	* *	5	\$600	
100%		2054	* *	1		
100%		2041	* *	5	\$200	
					-	
100%		LIFE	* *	5	\$400	
her Observation, E	Extent : Moderate, A	rea Affe	cted : 100%			
Explanation : Wate	r Main					
	ther Observation, E Location: Electrica Explanation: One 100% 100% 5% 95% 100% 100% 100% ther Observation, E Location: Basemen	ther Observation, Extent: Moderate, A Location: Electrical Room Explanation: One 1200 Amperes Main 100% 100% 5% 95% 100% 100%	ther Observation, Extent : Moderate, Area Affect Location : Electrical Room Explanation : One 1200 Amperes Main Discome 100% 2050 100% 2054 5% 2046 95% 2046 100% 2054 100% 2054 LIFE ther Observation, Extent : Moderate, Area Affect Location : Basement	ther Observation, Extent: Moderate, Area Affected: 100% Location: Electrical Room Explanation: One 1200 Amperes Main Disconnect Switch 100% 2050 ** 100% 2054 ** 5% 2046 ** 100% 2054 ** 100% 2054 ** LIFE ** ther Observation, Extent: Moderate, Area Affected: 100% Location: Basement	ther Observation, Extent: Moderate, Area Affected: 100% Location: Electrical Room Explanation: One 1200 Amperes Main Disconnect Switch 100% 2050 ** 5 100% 2054 ** 1 5% 2046 ** 5 2046 ** 5 100% 2054 ** 1	ther Observation, Extent : Moderate, Area Affected : 100% Location : Electrical Room Explanation : One 1200 Amperes Main Disconnect Switch 100% 2050 ** 5 \$100 100% 2054 ** 1 5% 2046 ** 5 95% 2046 ** 5 \$600 100% 2054 ** 1

Lighting

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

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

Asset #: 4206

Electrical	Current Repair	Future Repla	cement	M	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	ed Cost Year Estima FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	85%	2034	* *	10	\$18,600	
	Other Observation, Extent : Mo	derate, Area Affected : 10	00%			
	Location: Throughout					
	Explanation: Using T-8 Lamp	os				
Fluorescent	15%	2034	* *	10	\$3,300	
	Other Observation, Extent : Mo	derate, Area Affected : 10	00%		. ,	
	Location: Throughout					
	Explanation : Using T-5 Lamp	os .				
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 Re	pair Futui	e Replacement	M	aintenance	
System Component Type	% of Fail Date E Total (Years)	Sstimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2037	* *	1	\$11,800	
	Other Observation, Exte	ent : Light, Area Affected	: 100%			
	Location: Basement I	Boiler Room				
	Explanation: 2 Units					
Distribution						
Hot Wtr Piping/Pump	100%	2040	* *	4	\$1,800	
Terminal Devices						
Air Handler	40%	2029	* *	1	\$5,900	
Convector/Radiator	60%	2037	* *	1	\$4,600	
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		

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

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

Asset #: 4206

Mechanical	Current Repair Future Replacement		cement Maintenance			
System Component Type	% of Fail Date I Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning Conversion Equipment Int Pkg Unit - Heating/Cooling	60%	2025	\$288,400	2	\$900	
		nt : Light, Area Affected : And 2nd Floor M E R	60%			
Exterior Pkg Unit - Cooling	40%	2029	* *	2	\$600	
	R-22 Refrigerant, Exter Location : Roof	nt : Light, Area Affected :	40%			
Heat Rejection Air Cooled Condenser Unit	60%	2029	* *	2	\$10,000	
No Component Ventilation	40%					
Distribution Ductwork/Diffusers	100%	LIFE	* *	2-5	\$13,300	
Exhaust Fans Interior	95%	2032	* *	2	\$700	
Roof Plumbing	5%	2029	* *	2		
H/C Water Piping Brass/Copper	100%	2044	* *	1		
Water Heater Gas Fired	100%	2022	\$13,800	2	\$300	
Sanitary Piping Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping Cast Iron	100% 0-2 Other Observation, Ext Location: South Exit	\$2,400 LIFE ent : Moderate, Area Affe	* * octed : 5%	1		
	Explanation : Sewage	Piping Is Under Sized C	ausing Water To Bo	ackup W	hen It Rains	
Sewage Ejector(s) Electric	100%	2029	* *	4	\$900	
Backflow Preventer Generic	100%	2029	* *	1	\$1,500	
Fixtures Generic	100%					
Vertical Transport Elevators Hydraulic	100%	LIFE	* *			
nydraune	Other Observation, Ext Location : B-2	EIFE ent : Light, Area Affected				
Fire Suppression	Explanation: 1 Unit					
Sprinkler No Component	70%					
Generic	30%	2044	* *	1-2	\$2,000	

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

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

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BROOKLYN PUBLIC LIBRARY - 038 KINGS HIGHWAY BRANCH LIBRARY

Asset #: 4206

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$182,300	
Interior Architecture		\$112,900
Electrical	\$10,800	
Mechanical	\$426,200	
Total	\$619,300	\$112,900
Importance Code A	\$260,400	
Importance Code B	\$358,900	\$112,900
Total	\$619,300	\$112,900

Total	\$139,300	\$3,400	\$7,000	\$45,100
Importance Code C	\$300			
Importance Code B	\$75,700	\$2,800	\$6,500	\$44,600
Importance Code A	\$63,300	\$500	\$500	\$500
Total	\$139,300	\$3,400	\$7,000	\$45,100
Mechanical	\$10,200	\$2,200	\$4,600	\$34,700
Electrical	\$46,900	\$1,200	\$1,000	\$9,800
Interior Architecture	\$19,400		\$1,400	\$600
Exterior Architecture	\$62,700			
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022



 $[\]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 #: 13255

rchitecture	Current Repair		Future Replacement		Maintenance		
ystem Component Type	% of Fail Date I Total (Years)	Estimated Cost	Year I FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior							
Exterior Walls Cast Stone/Terra Cotta	5% 0-2 Cracking/Crumbling, E Location : Throughou	_	LIFE ea Affected	* *	5	\$8,100	
Masonry: Brick	90% 0-2 Jnt Mortar Miss/Erod, Location: Throughou Spalling, Extent: Mode Location: Throughou	ıt erate, Area Affect		* * fected : 30%	5	\$18,600	
Masonry: Limestone	5% 0-2 Cracking/Crumbling, E Location: Building B		LIFE c, Area Affe	* * ected : 15%	5	\$800	
Windows							
Aluminum	90% Now Ctrwt/Balnc Not Funct, Location: Throughou Deteriorated Finish, E. Location: Throughou	ıt xtent : Moderate,		-	5	\$800	
Steel	10% Now Corrosion/Rusting, Ext Location: Basement Thermally Inefficient, E Location: Basement Unit Inoperable, Exten Location: Basement	\$9,500 ent : Moderate, A Extent : Moderate	e, Area Affe	ected : 50%	5	\$1,100	
Parapets							
Masonry: Limestone	15% Now Caulking Deteriorated, Location: Over Main		LIFE ate, Area Aj	* * ffected : 5%	5	\$200	
Metal Rail No Component	5% 80%		2029	* *	5-10	\$1,000	
Roof Modified Bitumen Slate	50% 50% Now Gut/DS Non Func/Miss Location: Throughou		2029 LIFE ate, Area A	* * * * Affected : 50%	10	\$8,600	
terior Floors Cast in Place Concrete Ceramic Tile Vinyl Tile	10% 5% 10% Now Loose Units, Extent: M	\$4,000 Joderate, Area Aj	LIFE 2027 2024 ffected : 10	* * \$15,100 \$13,300	5 5 3	\$3,400 \$800 \$600	
Floors Cast in Place Concrete Ceramic Tile	5%	Ioderate, Area Aj	2027 2024 ffected : 10	\$15,100 \$13,300	5	\$800	

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

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

Asset #: 13255

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	\$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	cted : 5%	%			
	Location	: Meeting	Room					
	Water Pen	etration, E.	xtent : Severe, Area	Affected	l : 5%			
	Location	: Basemen	nt					
Ceilings								
AcousTileConcealSpLn	60%	0-2	\$15,200	2037	* *	5	\$5,800	
	Cracking/	Crumbling,	Extent: Moderate	, Area A <u>j</u>	fected : 10%			
	Location	: Meeting	Room					
	Loose/Del	am Surface	e, Extent : Moderate	e, Area A	ffected : 20%			
	Location	: First Flo	or, Basement					
	Staining/D	oiscoloring,	Extent : Moderate	, Area Aj	ffected : 20%			
	Location	: First Flo	oor					
Exposed Concrete	20%			LIFE	* *	5	\$500	
Plaster	20%			LIFE	* *	5	\$1,900	

lectrical	С	urrent Repair	Futur	e Replacement	M	aintenance	
ystem Component Type		nil Date Estimated Cost Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2024	\$1,500	5		
	Other Observ	vation, Extent : Moderate,	Area Affe	cted : 100%			
	Location : I	Electrical Room					
	Explanation	ı : Main Service Switch Ro	ited @ 40	00 Amperes			
Switchgear / Switchboard							
Molded Case Bkrs	100%		2024	\$32,700	5	\$300	
Raceway							
Conduit	95%		2024	\$30,200	1		
Conduit	5%		2044	* *	1		
Panelboards							
Fused Disc Sw	5%		2023	\$800	5		
Molded Case Bkrs	95%		2023	\$14,400	5	\$300	
Wiring							
Braided Cloth	95%	2-4 \$26,700	2049	* *	1		
	Insulation Ag	ged, Extent : Moderate, Ar	ea Affecte	ed: 100%			
	Location: T	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 Rep	air Futu	Future Replacement		Maintenance			
System Component Type	% of Fail Date Es Total (Years)	timated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Ground								
Grounding Devices								
Generic	100% 2-4	\$9,600 LIFE	* *	5	\$200			
	Other Observation, Exter		ected : 100%					
	Location : Main Water	=						
. 1	Explanation : Corrodea	!						
Lighting Interior Lighting								
Fluorescent	90%	2032	* *	10	\$8,800			
Tuorescent	T-8 Lamps And Fixtures,		a Affected · 100%	10	\$6,600			
	Location: Throughout		arijjecica : 10070					
Fluorescent	10%	2019	\$10,800	10	\$1,000			
Tractescent	T-12 Lamps And Fixtures, Extent: Moderate, Area Affected: 100%							
	Location : Book Shelve		35					
Egress Lighting								
Emergency, Battery	50%	2029	* *	10	\$1,300			
Exit, Service	50%	2029	* *	1				
Exterior Lighting								
Fluorescent	20%	2019	\$6,900	10	\$200			
	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location: Front Of The	· ·						
	Explanation : C F L La							
HID	80%	2024	\$32,700	10				
Alarm								
Security System	1000/	2022	* *	1	#4.000			
Generic	100%	2032		1	\$4,000			
	Other Observation, Exter Location : Throughout		естеа : 100%					
	Explanation: C C T V	_						
Fire/Smoke Detection	Ехрининоп . С С Г У	Surveillance Cameras						
Generic	100%	2032	* *	1-3	\$6,600			
Contro	Other Observation, Exter		ected : 100%	1.5	Ψ0,000			
	Location : Throughout							
	Explanation : Smoke D	e e	tation, Strobe Ligh	ts				

Mechanical	Current Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
leating						
Energy Source						
Natural Gas	100%	2034	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2022	\$78,200	1	\$5,300	
	Other Observation, Extent : Light, Area	Affected	: 100%			
	Location: Basement Boiler Room					
	Explanation: 1 Unit					

Maintenance \$ are aggregated over a ten-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

Mechanical	Current Re	epair Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date 1 Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Distribution						
Hot Wtr Piping/Pump	100%	2023	\$15,800	4	\$800	
Terminal Devices						
Air Handler	40%	2019	\$57,000	1	\$2,600	
Convector/Radiator	60%	2022	\$32,600	1	\$2,100	
Air Conditioning						
Energy Source						
Electricity	100%	2032	* *	1		
Conversion Equipment Reciprocating Compr/Chiller	100%	2019	\$86,100	1	\$5,000	
-	R-22 Refrigerant, Exter	nt : Light, Area Affected :	100%			
	Location: Basement					
Terminal Devices						
Air Handler/Cool/Ht	100%	2019	\$113,700	1	\$6,600	
Heat Rejection						
Dry Cooler	100%	2019	\$55,100	2	\$7,400	
Ventilation						
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$6,000	
Exhaust Fans						
Interior	100%	2019	\$36,100	2	\$300	
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2019	\$6,200	2	\$200	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Fixtures						
Generic	100%					

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$204,300	
Total	\$204,300	
Importance Code A	\$204,300	
Total	\$204,300	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$56,800	\$7,800		
Interior Architecture	\$6,800	\$600		\$3,000
Electrical	\$900	\$1,200	\$1,100	\$14,400
Mechanical	\$1,300	\$1,600	\$2,400	\$8,800
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$69,700	\$15,200	\$7,400	\$30,100
Importance Code A	\$57,500	\$8,500	\$600	\$600
Importance Code B	\$12,300	\$6,700	\$6,800	\$29,500
Importance Code C				
Total	\$69,700	\$15,200	\$7,400	\$30,100



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

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

Asset #: 13256

Architecture	Current Repair Fu		Futur	e Replacement	М	Maintenance	
ystem Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
kterior							
Exterior Walls	0.50/ 3.1	фо д 2 00	TIPE	ata ata	_	#10.600	
Masonry: Brick	Location : Throug Worn/Eroded, Exten	nt : Moderate, Area A		**	5	\$10,600	
	Location: Throug						
Masonry: Limestone	Location : South	g, Extent : Moderate			5	\$1,400	
Windows	Locuiton : Cornic						
Aluminum	60%		2040	* *	5	\$2,000	
Wood	40%		2040	* *	5	\$13,700	
Parapets						4,,,,,	
Masonry: Brick	Location : Throug Spalling, Extent : M Location : Throug	Aoderate, Area Affect Thout nt : Moderate, Area A	ed : 20%		5	\$1,900	
Masonry: Limestone	Location : Throug				5	\$2,400	
	Location : Throug	nt : Light, Area Affec Thout	tea : 10%	o .			
Roof	20000001110000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Metal Panel	5%		2037	* *	10	\$1,700	
Modified Bitumen	25%		2024	\$28,100	10	\$4,800	
Slate	70% Now Broken/Missing Ele Location: East Si Cracking/Crumblin Location: East Si Water Penetration,	g, Extent : Moderate	LIFE erate, Ard , Area A <u>f</u> rea Affed	* * ea Affected : 10% fected : 5%			
terior							
Floors							
Cast in Place Concrete	5%		LIFE	* *	5	\$1,800	
Ceramic Tile	5%		2033	* *	5	\$800	
Panel/Paver: Cer/Brk	5%		2032	* *	5	\$1,900	
Sheet Vinyl/Rubber	55%		2029	* *	5	\$13,600	
Vinyl Tile	30%		2029	* *	3	\$1,900	

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 #: 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	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	g, Extent : Moderate	, Area Aj	ffected : 15%			
	Location : Stairwa	y					
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	Current Repair	Futu	re Replacement	Maintenance				
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Under 600 Volts								
Service Equipment								
Air Circuit Breaker	100%	2050	* *	5	\$100			
	Other Observation, Extent: Moderate	, Area Affe	ected : 100%					
	Location : Electrical Room							
	Explanation: One 800 Amperes Ma	n Disconn	ect 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								
Fluorescent	30%	2032	* *	10	\$3,600			
		Other Observation, Extent : Moderate, Area Affected : 100%						
	Location : Throughout The Building							
	Explanation: T-8 Lamps							
Fluorescent	70%	2032	* *	10	\$8,300			
	T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%							
	Location: Throughout 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 R	Current Repair Future Replace		e Replacement	cement 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%	2	2050	* *	1		
Conversion Equipment							
Hot Water Boiler	100%	2	2037	* *	1	\$6,400	
	Other Observation, Ex		fected	: 100%			
	Location: Basement	Boiler Room					
	Explanation: 2 Gas	Fired Modular Hot	Water I	Boilers			
Distribution							
Hot Wtr Piping/Pump	100%	2	2040	* *	4	\$1,000	
Terminal Devices							
Air Handler	50%		2029	* *	1	\$4,000	
Convector/Radiator	50%	2	2037	* *	1	\$2,100	
Air Conditioning							
Energy Source							
Electricity	100%	2	2046	* *	1		
Conversion Equipment							
Split Unit	100%	2	2029	* *			
Terminal Devices							
Air Handler/Dir	40%	2	2029	* *	1		
Expansion							
	Other Observation, Ex	tent : Light, Area Afj	fected	: 100%			
	Location: Basement	Mechanical Equipm	ent Ro	ooms			
	Explanation: Electr	ic Duct Heater In Du	ict Woi	rk			
No Component	60%						
Heat Rejection							
Not Accessible	100%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%	I	LIFE	* *	2-5	\$7,200	

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 #: 13256

Mechanical	Current R	Repair	Futur	e Replacement	Maintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation							
Exhaust Fans							
Not Accessible	100%						
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2050	* *	1		
Water Heater							
Gas Fired	100%		2022	\$7,500	2	\$200	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Sump Pump(s)							
Non-Submersible	100%		2029	* *	4	\$300	
Backflow Preventer							
No Component	80%						
Generic	20%		2029	* *	1	\$200	
	Other Observation, E.	Other Observation, Extent : Light, Area Affected : 20%					
	Location: Basemen	t Boiler Room					
	Explanation : Boiler	· Only					
Fixtures							
Generic	100%						
Vertical Transport							
Elevators							
Hydraulic	100%		LIFE	* *			
	Other Observation, E.	xtent : Light, Area A	ffected	: 100%			
	Location: B, St, 1, N	Mez					
	Explanation : One U	^J nit					

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$378,100	
Interior Architecture		\$74,600
Mechanical		\$703,200
Total	\$378,100	\$777,800
Importance Code A	\$378,100	
Importance Code B		\$777,800
Total	\$378,100	\$777,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture		\$1,900		
Interior Architecture	\$18,500	\$302,500		\$16,700
Electrical	\$21,600	\$2,000	\$1,600	\$1,900
Mechanical	\$1,900	\$2,000	\$3,300	\$13,000
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$46,000	\$312,400	\$8,900	\$35,500
Importance Code A	\$1,000	\$2,900	\$1,000	\$1,000
Importance Code B	\$45,000	\$309,500	\$7,900	\$34,500
Importance Code C				
Total	\$46,000	\$312,400	\$8,900	\$35,500



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

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

Asset #: 13257

chitecture	Currer	t Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Fail Da Total (Years	te Estimated Cost)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior							
Exterior Walls		***			_		
Masonry: Brick	95% 0-2	\$69,100	LIFE	* *	5	\$22,600	
	Water Penetration, Location : Bulkhe	Extent : Light, Area ead	Affected	: 10%			
Masonry: Limestone	5%		LIFE	* *	5	\$900	
Windows							
Aluminum	100%		2040	* *	5	\$3,800	
Parapets							
Masonry: Brick	90% Now Jnt Mortar Miss/E. Location : Bulkh	\$225,300 rod, Extent : Moderat rads	LIFE e, Area A	* * Affected : 5%	5	\$3,900	
	Misaligned/Bulgin Location : Bulkh	g, Extent : Moderate, eads	Area Aff	ected : 5%			
		Extent : Severe, Arec s Locations Through		l : 40%			
	Other Observation Location : Throu	Extent : Severe, Are ghout	a Affecte	d: 100%			
	Explanation: Co	vered In Black Tarp T	To Keep F	Rain Water Out			
Masonry: Limestone	10% Now Jnt Mortar Miss/E Location: Copin	\$45,400 rod, Extent : Moderat g At Chimney	LIFE te, Area A	* * Affected : 10%	5	\$500	
	_	Extent : Severe, Area	a Affected	l : 30%			
	Other Observation Location : Throu	Extent : Severe, Are ghout	a Affecte	d : 100%			
	Explanation: Co	vered In Tarp To Kee	p Rain W	ater Out			
Roof							
Modified Bitumen	100% Now Blisters, Extent: M Location: Throu	\$38,300 Toderate, Area Affecto ghout	2029 ed : 30%	* *			
	Location: Throu						
		Extent : Moderate, A tair Adjacent To Elev		cted : 5%			

Interior

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

Asset #: 13257

rchitecture		Current I	Repair	Futur	e Replacement	M	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior								
Floors								
Carpet	65%			2020	\$291,300	3	\$33,800	
		led, Extent a : 2nd Floo	: Moderate, Area A or	Affected :	20%			
Cast in Place Concrete	5%			LIFE	* *	5	\$3,800	
Ceramic Tile	2%	4+	\$2,700	2033	* *	5	\$300	
	Location Worn/Eroc	: Bathroo	: Moderate, Area A					
Terrazzo	3%			LIFE	* *	5	\$800	
Vinyl Tile	25%	4+	\$14,900	2024	\$74,600	3	\$3,200	
		ts, Extent : 1 : Basemer	Moderate, Area A <u>f</u> t	fected : 4	40%			
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 Floor Meeting Room		cted : 10%			
Ceilings								
AcousTileSusp.Lay-In	90%			2037	* *	5	\$31,200	
Exposed Concrete	5%			LIFE	* *	5	\$300	
Gypsum Board	5%		\$900	LIFE	* *	5	\$2,200	
			xtent : Moderate, A indows On 2nd Flo		cted : 10%			

ectrical	Current Repair	Future Replac	ement	Maintenance		
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimat FY	ed Cost	Cycle (Yrs)	Estimated Cost	Priority
der 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2034	* *	5	\$100	
	Other Observation, Extent: Moderate,	Area Affected : 100	0%			
	Location: Electrical Room					
	Explanation: One 800 Amperes Main	Disconnect Switch	'n			
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

Electrical	Current Repai	r Future Repl	acement	M		
System Component Type	% of Fail Date Esti Total (Years)	mated Cost Year Estim	nated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Panelboards						
Fused Disc Sw	5%	2032	* *	5		
Molded Case Bkrs	95%	2032	* *	5	\$500	
Wiring						
Thermoplastic	100%	2034	* *	1		
Motor Controllers						
Locally Mounted	100%	2029	* *	5	\$100	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$300	
Lighting						
Interior Lighting						
Fluorescent	75%	2029	* *	10	\$13,600	
		: Moderate, Area Affected : 1	100%			
	Location : Throughout Th	_				
	Explanation: T-8 Lamps					
Fluorescent	20%	2029	* *	10	\$3,600	
	T-5 Lamps And Fixtures, E.	xtent : Moderate, Area Affect	ed: 100%			
	Location: Throughout Th	he Building				
Incandescent	5%	2029	* *	2		
Egress Lighting						
Emergency, Battery	50%	2029	* *	10	\$2,400	
Exit, LED	45%	2052	* *	1	. ,	
Exit, Service	5%	2029	* *	1		
Exterior Lighting						
HID	100%	2029	* *	10	\$100	
Alarm						
Security System						
No Component	30%					
Generic	70%	2032	* *	1	\$5,200	
Fire/Smoke Detection						
Generic	100%	2032	* *	1-3	\$12,200	

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

Heating

Energy Source

Natural Gas 100% Now \$100 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	Future Replacement		Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Conversion Equipment							
Furnace	30%		2029	* *	1	\$2,900	
	Other Observation, I	_	Affected	: 30%			
	Location : Penthou						
	Explanation: 2 Un	its					
Hot Water Boiler	70%		2037	* *	1	\$6,900	
	Other Observation, 1	Extent : Light, Area	Affected	: 70%			
	Location: Baseme	nt Boiler Room					
	Explanation: 1 Un	it					
Distribution							
Hot Wtr Piping/Pump	100%		2032	* *	4	\$1,500	
Terminal Devices							
Convector/Radiator	70%		2037	* *	1	\$4,500	
No Component	30%						
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Interior Pkg Unit -	100%		2025	\$703,200	2	\$1,200	
Cooling							
_	R-22 Refrigerant, Ex	tent : Light, Area A	ffected:	100%			
	Location: Penthou	se					
	Other Observation, 1	Extent : Light, Area	Affected	: 100%			
	Location : Penthou	se					
	Explanation: 2 Un	its					
Ventilation	•						
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	\$11,500	2	\$300	
Sanitary Piping	100,0			\$11,500		Ψ200	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	10070						
Cast Iron	100%		LIFE	* *	1		
Fixtures	10070						
Generic	100%						
Vertical Transport	10070						

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.

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BROOKLYN PUBLIC LIBRARY - 038 MAPLETON BRANCH LIBRARY

Asset #: 13257

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

Vertical Transport

Elevators

Hydraulic 100% LIFE **

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

Location: B, 1, 2 Explanation: 1 Unit

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : MARCY BRANCH LIBRARY

Address : 617 DEKALB AVE. @NOSTRAND AVE.

Borough : BROOKLYN Agency's Number : 59

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Roof, Floors 1

Block : 1774 Lot : 81 BIN : 3049472

CAPITAL	FY 2019 - 2022	FY 2023 - 2028	
Exterior Architecture	\$95,800		
Interior Architecture		\$80,800	
Mechanical	\$151,300	\$78,700	
Total	\$247,100	\$159,500	
Importance Code A	\$95,800		
Importance Code B	\$151,300	\$159,500	
Total	\$247,100	\$159,500	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$900	\$100		\$200
Interior Architecture	\$27,000		\$1,000	\$100
Electrical	\$53,400	\$700	\$500	\$15,800
Mechanical	\$1,400	\$1,900	\$1,300	\$6,300
Total	\$82,700	\$2,700	\$2,900	\$22,500
Importance Code A	\$1,800	\$500	\$400	\$600
Importance Code B	\$62,100	\$2,200	\$2,500	\$21,900
Importance Code C	\$18,700			
Total	\$82,700	\$2,700	\$2,900	\$22,500



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

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

Asset #: 13258

rchitecture	Current Repair		Futur	e Replacement	Maintenance			
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit
terior								
Exterior Walls	0.50/				at at	_	04.7.700	
Masonry: Brick	Location	: Southeas	\$48,000 tent : Moderate, Ar st Corner xtent : Moderate, A			5	\$15,700	
	Location	: Southeas	st Corner					
Metal Panel	3%			2044	* *	5-10	\$3,400	
Granite Panels	2%			LIFE	* *	5	\$200	
Windows							·	
Aluminum	75%			2032	* *	5	\$500	
	Location	: Through	Extent : Moderate, A out ole To Open Windov					
Aluminum	25%		1	2040	**	5	\$200	
2 Maniman	Other Obse	ervation, E : South Fo ion : Stain			cted : 100%	3	Ψ200	
Roof	Виринии	ion . Stain	ca Grass					
Modified Bitumen	Blisters, Ex	xtent : Mod	\$47,800 derate, Area Affecte Locations Through		* *			
erior								
Floors						_	*	
Cast in Place Concrete	5%			LIFE	* *	5	\$1,100	
Ceramic Tile	5%			2033	* *	5	\$500	
Vinyl Tile	80%			2024	\$71,800	3	\$3,100	
Vinyl Tile	_	Now Crumbling, : Reading	\$2,700 Extent : Moderate Area	2024 , Area A <u>f</u>	\$9,000 ffected : 10%	3	\$400	
Interior Walls								
Ceramic Tile	3%			2033	* *	5	\$300	
Concrete Masonry Unit	92% Horizontal		\$18,700 Extent : Severe, Area	LIFE	* * d : 15%	5	\$3,300	
	Vertical Cr	: I T Close acks, Exte : I T Close	nt : Moderate, Ared	a Affected	d : 15%			
Glazed Ceramic Panel	5%			LIFE	* *			
Ceilings								
AcousTileConcealSpLn		iscoloring : Main Of	. Extent : Light, Are	2029 ea Affecte	* * ed : 5%	5	\$11,100	
Gypsum Board	15%	J.	,	LIFE	* *	5	\$2,000	

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

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

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

Asset #: 13258

Electrical	Current R	epair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts Service Equipment Molded Case Bkrs	100% Other Observation, Ex Location : Electrica Explanation : One 4	l Room			5	\$200	
Switchgear / Switchboard Molded Case Bkrs	100%	00 Amperes Muin L	2024	\$32,700	5	\$200	
Raceway Conduit	100%		2024	\$31,800	1		
Panelboards Fused Disc Sw Fused Toggle Switch	5% 5% 2-4 On Extended Life, Ext Location : Electrica		2023 2049 a Affec	\$800 * * ted : 100%	5 5		
Molded Case Bkrs Molded Case Bkrs	70% 20%		2023 2040	\$10,600 * *	5 5	\$100	
Wiring Braided Cloth	50% 2-4 Insulation Aged, Exter Location: Througho	nt : Moderate, Area	2049 Affecte	* * d : 100%	1		
Thermoplastic Thermoplastic	30% 20%		2024 2044	\$8,400	1 1		
Motor Controllers Locally Mounted	100%		2022	\$15,300	5	\$100	
Ground Grounding Devices Generic	100%		LIFE	* *	5	\$100	
Lighting Interior Lighting Fluorescent	90% Other Observation, Extended to the Control of t	xtent : Moderate, Ar out The Building	2029 ea Affe	* * cted : 100%	10	\$6,200	
Fluorescent	Explanation: T-8 Lo 8% T-5 Lamps And Fixtur Location: Througho	es, Extent : Modera	2029 te, Ared	* * n Affected : 100%	10	\$600	
Incandescent	2%		2019	\$1,500	2		
Egress Lighting Emergency, Battery Exit, Service	50% 50%		2029 2029	* *	10 1	\$900	
Exterior Lighting HID	100%		2019	\$28,700	10		
Alarm Security System No Component	70%		2022	* *		4000	
Generic	30%		2032	* *	1	\$800	

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

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

Asset #: 13258

Electrical	Current Repair	Future I	Replacement	Maintenance	
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year F FY		Cycle Estimated Cost (Yrs)	Priority
Alarm Fire/Smoke Detection Generic	100%	2029	* *	1-3 \$4,600	

Mechanical	Current R	epair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source							
Natural Gas	100%		2044	* *	1		
Conversion Equipment							
Furnace	40%		2024	\$6,700	1	\$1,500	
	Other Observation, Ex			40%			
	Location : First Floo	or Mechanical Roc	om				
	Explanation: 4 Duc	t Mounted Gas Fu	rnaces				
Hot Water Boiler	60% 0-2	\$700	2037	* *	1	\$2,000	
	Corroded, Extent : Mo	•		%		* ,	
	Location : First Floo	or Mechanical Roc	om, Top B	oiler Panel Badly	Corrode	d	
	Other Observation, Ex		_	-			
	Location : First Floo	_					
	Explanation: 1 Gas	Fired Hot Water I	Boiler				
Distribution							
Hot Wtr Piping/Pump	100% 0-2	\$200	2040	* *	4	\$400	
Tiot was i ping/i amp	Corroded, Extent : Mo	•		ó.	•	φίου	
	Location : First Floo				Pump Su	ction Pining	
Terminal Devices	2000000111100		, 1 0 1	zaar, corroaca	i unip su	enen i iping	
Air Handler	40%		2024	\$40,000	1	\$1,900	
Convector/Radiator	60%		2029	**	1	\$1,500	
Air Conditioning	0070		2029		1	\$1,500	
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment	10070		2040		1		
Int Pkg Unit -	100%		2022	\$151.200	2	\$500	
Heating/Cooling	100%		2022	\$151,300	2	\$300	
Heat Rejection	1000/		2024	\$29.700	2	¢5 200	
Dry Cooler	100%		2024	\$38,700	2	\$5,200	
Ventilation							
Distribution 1/Disc	1000/		TIPE	* *	2.5	Φ 4.20 0	
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,200	
Exhaust Fans	000/		2024	#20.200	2	Ф200	
Interior	80%		2024	\$20,300	2	\$200	
Roof	20%		2029	* *	2		
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Gas Fired	100%		2022	\$4,300	2	\$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 #: 13258

Mechanical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing							
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Backflow Preventer							
Generic	100%		2029	* *	1	\$500	
Fixtures							
Generic	100%						

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$149,300	
Electrical	\$2,500	\$128,200
Mechanical		\$242,900
Total	\$151,800	\$371,100
Importance Code A	\$149,300	
Importance Code B	\$2,500	\$371,100
Total	\$151,800	\$371,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$61,200	_	_	
Interior Architecture	\$20,000			\$1,600
Electrical	\$13,600	\$1,000	\$1,000	\$900
Mechanical	\$8,600	\$1,900	\$2,400	\$8,500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$107,300	\$6,900	\$7,400	\$14,900
Importance Code A	\$61,800	\$600	\$600	\$600
Importance Code B	\$45,500	\$6,300	\$6,800	\$14,300
Importance Code C				
Total	\$107,300	\$6,900	\$7,400	\$14,900



 $[\]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 Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Da Total (Years	te Estimated Cost	Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls					_		
Glass Block	2%		LIFE	* *	5	\$200	
Masonry: Brick	85% Now	\$149,300	LIFE	**	5	\$16,300	
		rod, Extent : Light, A	rea Affected :	15%			
	Location: Throu Misaligned/Bulgin Location: 2nd F	g, Extent : Light, Are	a Affected : 1.	5%			
		, Extent : Moderate, A	Area Affected	: 30%			
		gnoui xtent : Light, Area Afj	fected : 5%				
	Location : North		естей . 570				
Masonry: Fieldstone	13%		LIFE	* *	5	\$1,900	
Windows	<u>-</u>					¥ , y	
Aluminum	100% Now	\$25,400	2040	* *	5	\$1,500	
	Water Penetration	, Extent : Light, Area	Affected: 109	%			
	Location: Arour	nd Windows In Stairca	ise, Various L	ocations Thro	ughout		
Parapets							
Cast Stone/Terra Cotta	10%		LIFE	* *	5	\$3,000	
Concrete Masonry Unit		\$4,600	LIFE	* *	5	\$2,000	
		rod, Extent : Modera		ted : 15%			
	Location : Vario	us Locations Through	out				
Masonry: Brick	45% 0-2 Misaligned/Bulgin Location: Exter	\$20,600 g, Extent : Moderate, ior Face	LIFE Area Affected	* * d : 20%	5	\$1,800	
Roof							
Modified Bitumen	95% 0-2 Drains Inad/Mispo Location : Back	\$6,300 osn, Extent : Moderat Of Building	2029 e, Area Affect	* * ed : 5%			
		Moderate, Area Affec	ted : 10%				
Skylight, Metal/Glass	5% 0-2	\$4,200	2044	* *			
3		Extent : Light, Area					
Interior							
Floors			• • • •		_		
Ceramic Tile	5%		2033	* *	5	\$700	
Terrazzo	10% 0-2 Cracking/Crumbli Location : At Sta	\$7,000 ng, Extent : Light, Ar irs	LIFE ea Affected : I	**	5	\$1,200	
Vinyl Tile	85% 0-2	\$5,500	2029	* *	3	\$4,800	
·		ng, Extent : Moderate And Second Floor Re		ed : 10%		·	
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 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
Interior			•		•			
Ceilings								
AcousTileConcealSpLn	90%	0-2	\$5,500	2037	* *	5	\$8,400	
	U	0.	Extent : Light, Are Locations Through	55	ed : 20%			
	Water Pen	etration, E.	xtent : Light, Area	Affected	: 5%			
	Location	ı : Against I	Rear Wall On First	Floor				
Plaster	10%	Now	\$2,000	LIFE	* *	5	\$900	
	Horizonta	l Cracks, E	xtent : Severe, Ared	a Affected	d: 10%			
	Location	ı : Basemer	t Boiler Room					

Electrical	Current Repair	Future	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	* *	5	\$100	
	Other Observation, Extent: Mo	derate, Area Affeo	cted : 100%			
	Location : Electrical Room					
	Explanation : One 600 Amper	es Main Disconne	ect Switch			
Switchgear / Switchboard						
Fused Disc Sw	100%	2044	* *	5	\$100	
Raceway						
Conduit	100%	2044	* *	1		
Panelboards						
Fused Disc Sw	5%	2040	* *	5		
Molded Case Bkrs	95%	2040	* *	5	\$300	
Wiring						
Thermoplastic	100%	2044	* *	1		
Motor Controllers						
Locally Mounted	50%	2037	* *	5		
Motor Control Center	50%	2037	* *	5	\$200	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$200	
Lighting						
Interior Lighting	000/	• • • • •	de de	4.0	010.100	
Fluorescent	93%	2029	* *	10	\$10,400	
	Other Observation, Extent : Mo	derate, Area Affec	cted: 100%			
	Location: Throughout					
	Explanation: T-8 Lamps					
Fluorescent	2%	2019	\$2,500	10	\$200	
	T-12 Lamps And Fixtures, Extendable Location: Storage Room	t : Moderate, Are	a Affected : 100%			
Fluorescent	5%	2029	* *	10	\$600	
	T-5 Lamps And Fixtures, Extent Location: Meeting Room	: Moderate, Area	Affected: 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 #: 13259

			Asset # : 13	259				
Electrical		Current F	Repair	Futur	re Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	\$11,200	1	\$1,400	
Fire/Smoke Detection								
Generic	100%			2024	\$128,200	1-3	\$7,500	
Mechanical		Current F	Repair	Futur	re Replacement	М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Mechanical		Current I	Repair	Futur	re Replacement Maintenance		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		
			xtent : Severe, Ared	ı Affecte	d : 100%			
	Location	: Basemen	t Gas Room					
	Explanat	ion : There	Is No Vent In The	Gas Mei	er Room			
Conversion Equipment								
Hot Water Boiler	100%			2037	* *	1	\$6,000	
			xtent : Light, Area	Affected	: 100%			
	Location	: Basemen	t Boiler Room					
	Explanat	ion : 1 Uni	t					
Distribution								
Hot Wtr Piping/Pump	100%			2040	* *	4	\$900	
Terminal Devices								
Air Handler	60%			2024	\$97,800	1	\$4,500	
Convector/Radiator	40%			2037	* *	1	\$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment								
Ext Pkg Unit -	100%	Now	\$7,300	2024	\$145,100	2	\$600	
Heating/Cooling								
	-	-	ent : Light, Area A	ffected :	100%			
	Location	: Roof						
	Other Obs	ervation, E	xtent : Moderate, A	rea Affe	cted : 100%			
	Location	: Roof						
	Explanat	ion : 3 Pac	kage Units. The U	nit Servi	ing 1st Floor Is No	t Efficien	nt .	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,800	

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

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

Asset #: 13259

Mechanical	Current Repair	Future Rep	olacement	M	Maintenance			
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estin	mated Cost	Cycle (Yrs)	Estimated Cost	Priority		
Ventilation								
Exhaust Fans								
Interior	80%	2029	* *	2	\$300			
Roof	20%	2024	\$3,800	2	\$100			
Plumbing								
H/C Water Piping								
Brass/Copper	100%	2044	* *	1				
Water Heater								
Gas Fired	100%	2022	\$7,100	2	\$200			
Sanitary Piping								
Cast Iron	100%	LIFE	* *	1				
Storm Drain Piping								
Cast Iron	100%	LIFE	* *	1				
Sewage Ejector(s)								
Electric	100%	2024	\$3,300	4	\$700			
	Other Observation, Extent: Light, Area Affected: 100%							
	Location : Boiler Room							
	Explanation : 1 Set							
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%	LIFE	* *					
	Other Observation, Extent : Light,	Area Affected: 100	%					
	Location: B - 2							
	Explanation: 1 Unit							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%	2044	* *	1-2	\$1,000			

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : MILL BASIN BRANCH LIBRARY
Address : 2385 RALPH AVE. @AVENUE N

Borough : BROOKLYN Agency's Number : 68

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 22-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1,2

Block : 8363 Lot : 9 BIN : 3235910

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$57,800	
Total	\$57,800	
Importance Code A	\$57,800	
Total	\$57,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,800			\$1,200
Interior Architecture		\$600	\$2,700	\$400
Electrical	\$9,000	\$800	\$700	\$800
Mechanical	\$4,900	\$400	\$1,100	\$400
Total	\$35,700	\$1,800	\$4,500	\$2,800
Importance Code A	\$22,300	\$400	\$400	\$1,500
Importance Code B	\$13,500	\$1,400	\$4,100	\$1,200
Importance Code C				
Total	\$35,700	\$1,800	\$4,500	\$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.

Asset #: 13260

chitecture	Current	Repair	Future	Replacement	M	aintenance	
stem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior							
Exterior Walls	1000/ 31	0.57 , 0.00	LIEE	* *	_	Φ10 000	
Masonry: Brick	100% Now Diagonal Cracks, Ex Location : Southea Jnt Mortar Miss/Ero Location : West Fa	st Corner At Second d, Extent : Moderat	l Floor	d : 5%	5	\$18,900	
Windows							
Aluminum	100% Now Air Infiltration, Exte Location: Through Caulking Deteriorate Location: Through	nout ed, Extent : Modera			5	\$300	
Parapets							
Masonry: Brick	73%		LIFE	* *	5	\$2,600	
Metal Panel	5% Now Deformed/Dented, E Location: Coping Seams Open/Split, E. Location: Coping	At North Side			5	\$400	
Metal Rail	10% Now Corrosion/Rusting, I Location: Over Se Deteriorated Finish, Location: Over Se	cond Floor Roof Extent : Moderate,			5	\$2,600	
Metal: Cage/Fence	10%		2037	* *	5-10	\$2,800	
Pre-Cast Concrete	2% Now Cracking/Crumbling Location: Coping Caulking Deteriorate	Over Free Standing	LIFE , Area Affa Parapet te, Area A		5	\$500	
Roof							
Modified Bitumen Modified Bitumen	90% 10% Now Blisters, Extent : Mo Location : Over Se Seams Open/Split, E. Location : Over Se	cond Floor xtent : Moderate, A		** ** ed:25%	10	\$9,700	

Interior

Asset #: 13260

Architecture	Current Repair	Future Repla	acement	Ma	aintenance	
System Component Type	% of Fail Date Estimate Total (Years)	d Cost Year Estim FY	ated Cost	Cycle (Yrs)	Estimated Cost	Priority
nterior						
Floors						
Cast in Place Concrete	10%	LIFE	* *	5	\$1,300	
Ceramic Tile	15%	2037	* *	5	\$900	
	Recent Replace Evident, Extent Location : First Floor	: Light, Area Affected : .	100%			
Vinyl Tile	15%	2029	* *	3	\$300	
Vinyl Tile	60%	2032	* *	3	\$1,300	
	Recent Installation, Extent : Lig Location : First Floor	ht, Area Affected : 100%	ó			
Interior Walls						
Ceramic Tile	5%	2033	* *	5	\$100	
Concrete Masonry Unit	80%	LIFE	* *	5	\$800	
Gypsum Board	15%	LIFE	* *	5	\$200	
Ceilings						
AcousTileSusp.Lay-In	90%	2041	* *	5	\$5,300	
Exposed Concrete	10%	LIFE	* *	5	\$100	

Electrical	Current Repa	ir Future I	Replacement	M	aintenance		
System Component Type	% of Fail Date Est Total (Years)	timated Cost Year E FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Service Equipment							
Molded Case Bkrs	100%	2034	* *	5	\$200		
	Other Observation, Exten	t : Moderate, Area Affecte	ed : 100%				
	Location : Electrical Ro	oom					
	Explanation : Main Ser	vice Switch Rated @ 600 A	Amperes				
Switchgear / Switchboard							
Molded Case Bkrs	100%	2034	* *	5	\$200		
Raceway							
Conduit	100%	2034	* *	1			
Panelboards							
Fused Disc Sw	25%	2032	* *	5			
Molded Case Bkrs	75%	2032	* *	5	\$100		
Wiring							
Thermoplastic	100%	2034	* *	1			
Ground							
Grounding Devices							
Not Accessible	100%						

Lighting

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

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

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

Asset #: 13260

Electrical	Current Repair	Current Repair Future Repla		M		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	45%	2029	* *	10	\$3,100	
	T-8 Lamps And Fixtures, Extent: Mode	erate, Area	Affected: 100%			
	Location: Throughout The Building					
Fluorescent	5%	2029	* *	10	\$300	
	Other Observation, Extent : Moderate,	Area Affec	rted : 100%			
	Location : Entrance Area					
	Explanation: Compact Fluorescent I					
Fluorescent	50%	2029	* *	10	\$3,400	
	T-5 Lamps And Fixtures, Extent: Mode	erate, Area	Affected: 100%			
	Location : Throughout The Building					
Egress Lighting						
Emergency, Battery	50%	2029	* *	10	\$900	
Exit, LED	50%	2052	* *	1		
Exterior Lighting	- 00/	• • • • •	de de	4.0	4.00	
Fluorescent	50%	2029	* *	10	\$300	
	Other Observation, Extent: Moderate, Location: Front Entrance	Area Affec	ted : 100%			
	Explanation: Compact Fluorescent I	Light Fixtur	res			
HID	50%	2029	* *	10		
Alarm						
Security System						
Generic	100%	2029	* *	1	\$2,800	
	Other Observation, Extent: Moderate,	eted : 100%				
	Location: Throughout The Building					
	Explanation : CCTV Surveillance Ca	mera Syste	m			
Fire/Smoke Detection						
Generic	100%	2029	* *	1-3	\$4,600	
	Other Observation, Extent : Moderate,	Area Affec	rted : 100%			
	Location: Throughout The Building					
	Explanation: Manual Pull Station, S	trobe Light	ts And Alarm Bells	S		

Mechanical	Current Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle Estimated Cost (Yrs)	Priority
Heating				
Energy Source				
Natural Gas	100% Now	2044 **	1	
	Other Observation, Extent : Severe, Area	a Affected : 100%		
	Location: Gas Meter Room			
	Explanation : There Is No Vent For Th	e Gas Meter Room		
Conversion Equipment	•			
Furnace	100%	2029 **	1 \$3,700	
	Other Observation, Extent : Light, Area	Affected : 100%	,	
	Location: Roof			
	Explanation : 1 Package Unit			

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

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

Asset #: 13260

Mechanical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Dat Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Ext Pkg Unit -	100%		2029	* *	2	\$500	
Heating/Cooling							
	R-22 Refrigerant, E	xtent : Light, Area A	ffected :	100%			
	Location: 1 Pack	age Unit On The Roo	f				
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,200	
Exhaust Fans							
Roof	100%		2029	* *	2	\$200	
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Gas Fired	100%		2019	\$4,300	2	\$100	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Fixtures							
Generic	100%						

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$674,800	
Interior Architecture	\$72,800	\$266,200
Electrical	\$217,300	
Mechanical		\$334,800
Total	\$964,900	\$601,000
Importance Code A	\$674,800	
Importance Code B	\$290,100	\$601,000
Total	\$964.900	\$601,000

Importance Code C	\$18,600			
Importance Code B	\$105,900	\$6,500	\$8,700	\$33,000
Importance Code A	\$119,900	\$1,200	\$1,200	\$1,200
Total	\$244,400	\$7,700	\$9,800	\$34,200
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$42,500	\$2,800	\$5,200	\$16,100
Electrical	\$70,700	\$1,000	\$700	\$800
Interior Architecture	\$42,000			\$13,300
Exterior Architecture	\$85,100			
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022



 $[\]label{lem:maintenance} \textit{Maintenance \$ are aggregated over a ten-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	М	Maintenance		
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
terior					
Exterior Walls	00/ 37 000	T. T. T. T	_	#2 000	
Cast in Place Concrete	2% Now \$6,800	LIFE **	5	\$3,000	
	Cracking/Crumbling, Extent: Severe, A Location: Canopy At Service Entrance				
	Exposed Reinforcement, Extent: Severe				
	Location: Canopy At Service Entrance				
Masonry: Brick	81% Now \$220,600	LIFE **	5	\$24,100	1
	Diagonal Cracks, Extent : Severe, Area			. ,	
	Location: Corners, Throughout				
	Efflorescence, Extent : Moderate, Area	Affected : 20%			
	Location: Throughout				
	Jnt Mortar Miss/Erod, Extent: Severe,	Area Affected : 35%			
	Location: Throughout	A.CC 1 . 200/			
	Misaligned/Bulging, Extent: Severe, An Location: Around Windows	rea Аffectea : 20%			
	Rusting Masonry Supt, Extent: Modera	ute. Area Affected : 10%			
	Location: Bulkheads, Around Window				
Metal Panel	2% Now \$2,200	2050 **	5	\$1,100	1
	Corrosion/Rusting, Extent : Severe, Are	a Affected : 50%		. ,	
	Location: Exterior Doors				
	Deformed/Dented, Extent : Moderate, A	Area Affected : 25%			
	Location: Exterior Doors				
	Deteriorated Finish, Extent : Severe, An Location : Exterior Doors	rea Affected : 50%			
				Ф1 100	
Granite Panels	5% Now \$16,000 <i>Int Mortar Miss/Erod, Extent : Severe, A</i>	LIFE	5	\$1,100	
	Location: South Facade	Area Affectea . 2570			
	Misaligned/Bulging, Extent: Moderate,	, Area Affected : 10%			
	Location : South Facade	30			
Slate Panels	10% Now \$31,500	LIFE **	5	\$2,200	
	Cracking/Crumbling, Extent : Moderate	e, Area Affected : 25%			
	Location : North Facade				
	Spalling, Extent : Moderate, Area Affec	ted : 20%			
W7' 1	Location : North Facade				
Windows Aluminum	100% Now \$375,400	2049 **	5	\$4,400	
Alullillulli	Air Infiltration, Extent: Moderate, Area		3	\$4,400	
	Location: Throughout	. 11gg colour 1 2 0 / 0			
	Deteriorated Finish, Extent : Moderate,	, Area Affected : 50%			
	Location: Throughout				
	Glazing Clouded, Extent : Moderate, An Location : Throughout	rea Affected : 25%			
	Water Penetration, Extent : Moderate, A Location : North Facade, South Faca				
	Weather Strip Missing, Extent : Modera	ite, Area Affected : 25%			
	Location: Throughout				

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

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

Asset #: 4203

Architecture	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
Exterior							
Parapets Masonry: Brick	95% Now	\$78,900	LIFE	* *	5	\$4,500	1
·	Diagonal Cracks, Ex		ea Affec	ted : 10%			
	Location: Corners,		. CC . 1	100/			
	Efflorescence, Extent Location: Through		Affected .	: 10%			
	Horizontal Cracks, E		rea Affe	cted : 10%			
	Location : Through						
	Jnt Mortar Miss/Eroe	d, Extent : Severe, A	rea Affe	cted : 50%			
	Location: Through						
	Water Penetration, E		55	cted : 20%			
	Location : North Fo			* *		#200	
Masonry: Limestone	5% Now <i>Jnt Mortar Miss/Erod</i>	\$2,500 d Extent : Moderat	LIFE		5	\$300	
	Location: Coping	i, Extent . Moderat	e, Areu r	ijjeciea . 3570			
	Caulking Deteriorate	ed, Extent : Modera	te, Area	Affected : 35%			
	Location : Coping						
Roof							
Modified Bitumen	100% Now	\$26,200	2029	* *			
	Blisters, Extent : Mod Location : Roof Ov		a: 10%				
	Drains Inad/Misposm		. Area A	ffected : 25%			
	Location : Roof Ov		,	33			
	Ponding, Extent : Set	vere, Area Affected	: 10%				
	Location : Lower R	oof Along New Lot	Avenue				
Interior							
Floors Cast in Place Concrete	5%		LIFE	* *	5	\$3,900	
Cast in Flace Concrete Ceramic Tile	3%		2027	\$20,900	5	\$1,100	
Terrazzo	5% 0-2	\$4,200	LIFE	**	5	\$1,400	
	Ponding, Extent : Mo	oderate, Area Affect					
	Location : Landing	Of Main Staircase	- Slippin	ng Hazard			
Vinyl Tile	87% 2-4	\$13,300	2024	\$266,200	3	\$11,600	
	Cracking/Crumbling		a Affecte	ed : 5%			
	Location : First Flo	oor					

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

Asset #: 4203

Architecture		Current I	Repair	Future 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%		\$16,100	LIFE	* *	5	\$400	
			ents, Extent : Mode					
			e Doors At First, Bo			ī		
			Extent : Moderate, A					
			e Doors At Basemer	nt, First 1	And Second Floors	ī		
	Explana	tion : Dete	riorated Finish					
Gypsum Board	10%			LIFE	* *	5	\$1,600	
Marble Panels	5%			LIFE	* *			
Plaster	68%			LIFE	* *	5	\$5,400	
SGFT/Glazed Masonry	5%	Now	\$2,600	LIFE	* *			
	Cracking/	Crumbling,	Extent: Moderate	, Area Aj	ffected : 2%			
	Location	ı : Main Sta	air Between Baseme	ent And I	First Floor			
	Water Pen	etration, E	xtent : Light, Area	Affected	: 5%			
	Location	ı : Main Sta	air Between Baseme	ent And I	First Floor			
Ceilings								
AcousTileConcealSpLn	_	Now	\$72,800	2044	* *	5	\$5,600	
			e, Extent : Light, Ar	ea Affect	ted : 10%			
	Location	ı : Through	out					
	Staining/L	Discoloring	Extent : Moderate	, Area Aj	ffected : 25%			
	Location	ı : Through	out					
			xtent : Moderate, A		cted : 20%			
	Location	ı : Second I	Floors, Around Win	dows				
AcousTileSusp.Lay-In	50%			2037	* *	5	\$17,800	
Plaster	25%	Now	\$5,900	LIFE	* *	5	\$5,600	
	Water Pen	etration, E	xtent : Light, Area	Affected	: 5%			
	Location	ı : Stairwel	l					

lectrical	Current Repair	Current Repair Future Repla		M		
vstem 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	\$2,600	5	\$100	
	Other Observation, Extent: Moderate, A	Area Affe	cted : 100%			
	Location: Electrical Room					
	Explanation: One 1200 Amperes Mai	n Discon	nect Switch			
Switchgear / Switchboard						
Fused Disc Sw	50%	2024	\$16,400	5	\$100	
Molded Case Bkrs	50%	2024	\$16,400	5	\$300	
Raceway						
Conduit	70%	2034	* *	1		
Conduit	30%	2024	\$9,500	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	Current Rep	pair Futu	re Replacement	M	aintenance		
System Component Type	% of Fail Date E Total (Years)	stimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Inder 600 Volts							
Panelboards							
Fused Disc Sw	10%	2023	\$2,300	5	\$100		
Molded Case Bkrs	60%	2023	\$13,600	5	\$400		
Molded Case Bkrs	30%	2040	* *	5	\$200		
Wiring Braided Cloth	70% 2-4 Insulation Aged, Extent , Location : Throughout		* * ed : 100%	1			
Thermoplastic	30%	2044	* *	1			
Motor Controllers							
Locally Mounted	80%	2022	\$36,700	5	\$100		
Locally Mounted	20%	2037	* *	5			
Ground							
Grounding Devices							
Generic	100%	LIFE	* *	5	\$300		
Lighting							
Interior Lighting							
Fluorescent	75%	2019	\$180,600	10	\$16,300		
	T-12 Lamps And Fixture. Location: Throughout		ea Affected : 100%				
Fluorescent	20%	2029	* *	10	\$4,400		
	T-8 Lamps And Fixtures, Location : Throughout		a Affected : 100%				
Incandescent	5%	2019	\$12,000	2			
Egress Lighting							
Emergency, Battery	10%	2029	* *	10	\$600		
Emergency, Battery	40%	2019	\$13,000	10	\$2,300		
Exit, Service	5%	2029	* *	1			
Exit, Service	45%	2019	\$1,500	1			
\larm							
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 Repair	Future Replacement	Maintenance	
System Component Type	% of Fail Date Estimat Total (Years)	ted Cost Year Estimated Cost FY	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 #: 4203

Mechanical		Current I	rent Repair Fut		Future Replacement		Maintenance	
System Component Type	% of I Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating Conversion Equipment Hot Water Boiler	Location . Other Obse	Extent : Se : Boiler R rvation, E	Extent : Light, Area		**	1	\$10,600	
	Location : Explanati							
Distribution Hot Wtr Piping/Pump	100%			2032	* *	4	\$1,800	
Terminal Devices Convector/Radiator	100%			2029	* *	1	\$7,700	
Air Conditioning Energy Source Electricity	100%			2040	* *	1		
Conversion Equipment Interior Pkg Unit - Cooling	35%			2025	\$294,700	2	\$500	
S			tent : Light, Area A In The Basement	ffected :	100%			
Exterior Pkg Unit - Cooling	65%		\$2,400 Toderate, Area Affec	2029	* *	2	\$800	
	Location .	: Unit #4 erant, Ex	tent : Light, Area Ą					
Terminal Devices Fan Coil - 2 Pipe No Component	10% 90%			2029	* *	1	\$800	
Heat Rejection Air Cooled Condenser Unit	10%			2029	* *	2	\$1,700	
No Component	90%							
Ventilation Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$13,200	
Exhaust Fans Interior	Not in Servi		\$800 t : Severe, Area Aff nt Staff Lounge	2024 ected : 20	\$40,100	2	\$300	
Roof		Extent : M	\$900 Toderate, Area Affec Traust Fans	2024 cted : 159	\$18,700	2	\$300	
Plumbing		<u> </u>						
H/C Water Piping Brass/Copper Galvanized Steel	50% 50%			2044 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 #: 4203

System Component Type Plumbing Water Heater Gas Fired 100% 100% 100% 100% 100% 100% 100% 10	(Yrs) 2	Samuel Cost	Priority
Water Heater Gas Fired 100% 2022 \$13,700 Other Observation, Extent: Light, Area Affected: 100% Location: Basement Explanation: One Unit Sanitary Piping	1	\$300	
Gas Fired 100% 2022 \$13,700 Other Observation, Extent: Light, Area Affected: 100% Location: Basement Explanation: One Unit Sanitary Piping	1	\$300	
Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : One Unit Sanitary Piping	1	\$300	
Location : Basement Explanation : One Unit Sanitary Piping	1		
Explanation : One Unit Sanitary Piping	1		
Sanitary Piping	1		
Cost Iron 1000/2 I IEE **	1		
Cast HOII 10070 LIFE	1		
Storm Drain Piping	1		
Cast Iron 100% Now \$2,300 LIFE **			
Blockage /Clogged, Extent : Moderate, Area Affected : 5% Location : Roof Drain			
Corroded, Extent : Moderate, Area Affected : 5%			
Location : At Lobby Ceiling, Leaking From Roof Drain			
Sewage Ejector(s)	4	4000	
Electric 100% 2029 ** Other Observation, Extent: Light, Area Affected: 100%	4	\$900	
Location : Basement			
Explanation : Not Accessible			
Backflow Preventer			
No Component 90%			
Generic 10% 2024 \$600	1	\$200	
Other Observation, Extent : Light, Area Affected : 100% Location : Basement			
Explanation : Boiler Make Up Line			
Fixtures			
Generic 100%			
Vertical Transport			
Elevators Hydraulic 100% LIFE **			
Hydraulic 100% LIFE ** Other Observation, Extent: Light, Area Affected: 100%			
Location : B-2			
Explanation: 1 Unit			
Fire Suppression			
Sprinkler			
No Component 95%			
Generic 5% 2034 **	1-2	\$300	
Chemical System			
No Component 90% Generic 10% 2022 \$200	1 2	\$400	
Generic 10% 2022 \$200 Other Observation, Extent : Light, Area Affected : 100%	1-3	\$400	
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.

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$534,400	
Interior Architecture	\$366,900	
Electrical	\$290,900	\$47,100
Total	\$1,192,100	\$47,100
Importance Code A	\$534,400	
Importance Code B	\$621,300	\$47,100
Importance Code C	\$36,500	
Total	\$1,192,100	\$47,100

Total	\$109,900	\$6,700	\$10,400	\$71,600
Importance Code C	\$26,000		\$700	
Importance Code B	\$51,000	\$5,600	\$8,600	\$70,400
Importance Code A	\$32,900	\$1,100	\$1,100	\$1,200
Total	\$109,900	\$6,700	\$10,400	\$71,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$13,900	\$2,200	\$4,200	\$2,200
Electrical	\$20,100	\$500	\$700	\$61,800
Interior Architecture	\$42,400		\$1,600	\$3,600
Exterior Architecture	\$29,600			
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022



Maintenance \$ are aggregated over a ten-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		urrent Rep	air	Futur	e Replacement	M	aintenance	
stem Component Type		nil Date Es Years)	timated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
erior								
Exterior Walls								
Masonry: Brick	Location : Vertical Crac Location : Water Penetr	liss/Erod, Ex East Facade ks, Extent : At Northwes	Moderate, Are t Corner t : Moderate, A	a Affected	1 : 5%	5	\$25,600	
Masonry: Fieldstone	1%		\$7,500	LIFE	* *	5	\$200	
Masoni y. Pleidstone		liss/Erod, Ex	tent : Light, A		ted : 30%	3	\$200	
Masonry: Limestone	8% Int Mortar N Location:	liss/Erod, Ex	\$75,400 ctent : Modera	LIFE te, Area A	* * Affected : 10%	5	\$1,700	
Window Wall			\$2,800 Light, Area Affa	2047 ected : 10	* *	5	\$500	
Windows								
Aluminum	Location : ' Deformed/De Location : ' Hardware M	Elements, E Throughout ented, Exteni Throughout issing, Exten	\$188,100 Extent: Moderate, A t: Moderate, A	rea Affec		5	\$2,200	
	Location:	Ihroughout						
Parapets Cast Stone/Terra Cotta	5% Cracking/Cr Location:	umbling, Ext	\$1,400 ent : Moderate	LIFE e, Area A <u>j</u>	* * fected : 30%	5	\$400	
Masonry: Brick	Location : ' Int Mortar M	umbling, Ext Throughout Iiss/Erod, Ex	\$16,900 ent : Moderate stent : Moderate e Of South Par	te, Area A		5	\$1,000	
Masonry: Limestone	5%	0-2 liss/Erod, Ex	\$1,100 ctent : Light, A	LIFE	* * ted : 10%	5	\$100	
Roof								
Modified Bitumen	Location: I	ent : Modera Main Roof eation, Exten	\$36,500 te, Area Affect t : Moderate, A		* * cted : 10%			

Interior

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

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

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

Asset #: 4204

Architecture		Current Repair		Future Replacement		Maintenance		
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior								
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$3,700	
Ceramic Tile	5%			2036	* *	5	\$1,700	
Terrazzo	5%			LIFE	* *	5	\$1,300	
Vinyl Tile	10%		\$2,900	2032	* *	3	\$1,300	
	_	Crumbling, : Through	Extent : Light, Ard out	ea Affecto	ed : 10%			
Vinyl Tile 9" X 9"	75%			2022	\$281,300	3	\$12,600	
•	_	Crumbling, : Through	Extent : Moderate out	e, Area Aj	ffected : 40%			
Interior Walls								
Ceramic Tile	5%			2036	* *	5	\$1,500	
Gypsum Board		Now	\$2,500	LIFE	* *	5	\$1,800	
	_	Crumbling, : Through	Extent : Light, Ard out	ea Affecte	ed : 10%			
Plaster	75%	Now	\$36,500	LIFE	* *	5	\$6,700	
	Location Water Pen	: Through	xtent : Moderate, A	·	•			
SGFT/Glazed Masonry	10%	Now	\$23,500	LIFE	* *			
	_	Crumbling, : Through	Extent : Light, Ard out	ea Affecto	ed : 10%			
		etration, E : Through	xtent : Moderate, A out	Area Affe	cted : 30%			
Ceilings								
AcousTileConcealSpLn	_		\$6,900 Extent : Light, Ard out	2040 ea Affecte	* * ed : 10%	5	\$5,300	
Exposed Concrete	10%			LIFE	* *	5	\$500	
Gypsum Board	10%	Now	\$3,400	LIFE	* *	5	\$4,200	
••	_	Crumbling, : Through	Extent : Light, Are	ea Affecte	ed : 10%			
Plaster	55%	Now	\$49,200	LIFE	* *	5	\$11,600	
1 145001	Water Pen		xtent : Moderate, A		cted : 2%	3	Ψ11,000	

Electrical	Current Repair			e Replacement	Ma	aintenance	
System Component Type	% of Fail Date Total (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 #: 4204

Electrical		Current Repair	Future Replacement Mainte		intenance		
System Component Type	% of Total	Fail Date Estimated Cost (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment			• • •	.	_		
Fused Disc Sw	100%		2027	\$2,600	5	\$100	
		ervation, Extent : Moderate, A	Area Affe	cted: 100%			
		: Electrical Room	Diagona	and Chuidala			
Switchgear / Switchboard	Explanat	ion : Two 400 Amperes Main	Disconn	ест Ѕwitcn			
Molded Case Bkrs	100%		2027	\$32,700	5	\$600	
Raceway	10070		2021	\$32,700		φοσσ	
Conduit	95%		2027	\$30,200	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	\$14,800	5	\$400	
Wiring							
Braided Cloth	70%	2-4 \$19,700	2052	* *	1		
		Aged, Extent : Moderate, Are : Throughout	ea Affecte	ed : 100%			
Thermoplastic	30%		2047	* *	1		
Motor Controllers							
Locally Mounted	100%		2040	* *	5	\$200	
Ground							
Grounding Devices	1000/			ate ate	_	#200	
Generic	100%		LIFE	* *	5	\$300	
Lighting							
Interior Lighting Fluorescent	90%		2022	\$205,000	10	\$18,500	
Pluorescent		ervation, Extent : Moderate, A		· ·	10	\$10,500	
		: Throughout The Building	irea rijje	cica : 10070			
		ion : T-12 Lamps					
Incandescent	10%	1	2022	\$22,800	2	\$100	
Egress Lighting	10.0			<i>*</i> ,000		4100	
Emergency, Battery	50%		2022	\$15,300	10	\$2,700	
Exit, Service	50%		2022	\$1,600	1		
Exterior Lighting				•			
HID	100%		2022	\$85,900	10	\$100	
Alarm							
Security System	_						
No Component	80%				_	*. =	
Generic Fig. (G. 1) P. (c)	20%		2027	\$13,800	1	\$1,700	
Fire/Smoke Detection	0.007						
No Component	80%		2027	¢47 100	1.2	\$2.000	
Generic, Digital	20%		2027	\$47,100	1-3	\$2,800	

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

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

BROOKLYN PUBLIC LIBRARY - 038 NEW UTRECHT BRANCH LIBRARY

Asset #: 4204

Mechanical		Current I	Repair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source	4000/			201-				
Natural Gas	100%			2047	* *	1		
Conversion Equipment	1000/	N T	\$2.200	2040	* *	1	¢10,000	
Hot Water Boiler		Now	\$3,300 nt : Moderate, Ared	2040		1	\$10,000	
	-	_	ni . Moderdie, Arec tat Control System		u . 570			
			Extent : Light, Area		: 100%			
		: Basemer	_	55				
	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	10070			2043		1		
Exterior Pkg Unit -	100%	Now	\$8,600	2032	* *	2	\$1,100	
Cooling	10070	11011	ψ0,000	2032		2	φ1,100	
5	-	_	nt : Moderate, Arec tat Control System		d : 5%			
Terminal Devices								
Air Handler/Dir	100%			2032	* *	1		
Expansion								
Ventilation								
Distribution	1000/			LIEE	* *	2.5	¢12.500	
Ductwork/Diffusers	100%			LIFE		2-5	\$12,500	
Exhaust Fans Interior	100%	Now	\$400	2032	* *	2	\$100	
Interior			هجرا lerate, Area Affecte			2	\$100	
		: Bathroo		/ -				
Roof	90%			2032	* *	2	\$600	
Plumbing	7070			2032			ψουσ	
H/C Water Piping								
Galvanized Steel	100%			2032	* *	1		
Water Heater								
Gas Fired	100%			2025	\$13,000	2	\$300	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures	1000/							
Generic Vertical Transport	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.

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BROOKLYN PUBLIC LIBRARY - 038 NEW UTRECHT BRANCH LIBRARY

Asset #: 4204

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

Vertical Transport

Elevators

Hydraulic 100% LIFE **

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

Location: B-2 Explanation: 1 Unit

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$265,900	
Interior Architecture		\$163,200
Electrical	\$334,300	
Mechanical	\$341,300	
Total	\$941,400	\$163,200
Importance Code A	\$265,900	
Importance Code B	\$675,600	\$163,200
Total	\$941,400	\$163,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$10,700			
Interior Architecture	\$35,500	\$65,700		\$2,900
Electrical	\$42,500	\$900	\$900	\$31,800
Mechanical	\$10,100	\$2,100	\$3,000	\$10,800
Total	\$98,700	\$68,700	\$3,900	\$45,600
Importance Code A	\$11,600	\$800	\$800	\$800
Importance Code B	\$75,200	\$67,900	\$3,100	\$44,400
Importance Code C	\$11,900			\$500
Total	\$98,700	\$68,700	\$3,900	\$45,600



 $[\]label{lem:maintenance} \textit{Maintenance \$ are aggregated over a ten-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 Repair	Future Replacement	Maintenance		
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estimated Cost FY	Cycle E (Yrs)	Estimated Cost	Priority
Exterior					
Exterior Walls	0.507		_	001.00	
Masonry: Brick	85%	LIFE **	5	\$34,600	
Masonry: Fieldstone	5% Now \$35,7		5	\$1,500	
	Jnt Mortar Miss/Erod, Extent: Mod Location: Retaining Walls At Ext				
	Open Joints, Extent: Moderate, Ar				
	Location: Retaining Walls At Ext				
Maganny Limograpa			5	\$3,100	
Masonry: Limestone	10% Now \$50,0 Cracking/Crumbling, Extent: Ligh Location: Windows Sills	00 LIFE	3	\$3,100	
	Jnt Mortar Miss/Erod, Extent : Mod Location : Window Sills	derate, Area Affected : 25%			
	Staining/Discoloring, Extent : Mod Location : At Windows	lerate, Area Affected : 15%			
Windows					
Wood	100% Now \$129,2		5	\$22,700	
	Deteriorated Finish, Extent: Mode	erate, Area Affected : 50%			
	Location: Throughout Glazing Broken/Cracked, Extent: 1	Light Anga Affacted . 50/			
	Location: Various Locations Thr	0			
	Thermally Inefficient, Extent: Mod	=			
	Location: Throughout	craic, mea rijjeetea : 5070			
	Split/Cracked, Extent: Moderate, A	Area Affected : 25%			
	Location: Throughout				
Parapets					
Masonry: Brick	80% Now \$51,0 Int Mortar Miss/Erod, Extent: Mod Location: Interior Face		5	\$4,400	
	Spalling, Extent : Moderate, Area A	Affected : 30%			
	Location : Interior Face	J			
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	200/	2020 #62.200	2	ф 7.2 00	
Carpet	20%	2020 \$63,300 LIFE **	3	\$7,300	
Cast in Place Concrete Ceramic Tile	10% 5%	LIFE ** 2027 \$24,000	5 5	\$5,400 \$1,200	
Sheet Vinyl/Rubber	5%	2027 \$24,000	5 5	\$1,200	
Vinyl Tile	60% 0-2 \$12,6		3	\$5,500	
vinyr The	Cracking/Crumbling, Extent : Mod Location : 2nd Floor	-	3	ψ3,300	
	Other Observation, Extent : Moder	rate, Area Affected : 10%			
	Location: Basement And Meeting	g Room			
	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	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%			2027	\$25,500	5	\$900	
Gypsum Board	10%			LIFE	* *	5	\$1,100	
Plaster	80%	2-4	\$11,900	LIFE	* *	5	\$4,400	
	Cracking/0	Crumbling,	Extent : Light, Are	a Affecte	ed : 5%			
	Location	: Basemen	nt					
Wood	5%			LIFE	* *	5	\$3,700	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$10,000	2044	* *	5	\$600	
	Broken/Mi	issing Elem	ents, Extent : Sever	re, Area A	Affected : 10%			
	Location	: Mens Ba	throom In Basemer	ıt				
	Loose/Dela	am Surface	e, Extent : Severe, A	rea Affe	cted : 20%			
	Location	: Mens Ba	throom In Basemer	ıt				
	Misaligned/Bulging, Extent: Severe, Area Affected: 40%							
	Location	: Mens Ba	throom In Basemer	ıt				
Gypsum Board	5%			LIFE	* *	5	\$1,500	
Plaster	90%			LIFE	* *	5	\$13,800	

Electrical		Current R	epair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2024	\$1,500	5	\$400	
	Other Obs	ervation, Ex	tent : Moderate, A	Area Affe	cted : 100%			
	Location	: Electrical	Room					
	Explanat	ion : One 80	00 Amperes Main	Disconn	ect Switch			
Switchgear / Switchboard Molded Case Bkrs	100%			2024	\$32,700	5	\$400	
Raceway								
Conduit	100%			2024	\$31,800	1		
Panelboards					·			
Fused Disc Sw	10%			2023	\$1,500	5		
Molded Case Bkrs	90%			2023	\$13,600	5	\$400	
Wiring								
Thermoplastic	100%			2024	\$28,100	1		
Motor Controllers								
Locally Mounted	100%			2022	\$30,600	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,600	LIFE	* *	5	\$200	
	Other Obs	ervation, Ex	tent : Moderate, A	Area Affe	ected : 100%			
	Location	: Boiler Ro	om					
	Explanat	ion : Corro	led					

Lighting

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

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

Asset #: 13261

Electrical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting						
Fluorescent	68%	2019	\$108,700	10	\$9,800	
	Other Observation, Extent: 1	Moderate, Area Affe	cted : 100%			
	Location: Throughout The	Building				
	Explanation: T-12 Lamps					
Fluorescent	30%	2029	* *	10	\$4,300	
	T-8 Lamps And Fixtures, Exte	ent : Moderate, Area	Affected : 100%			
	Location: Offices And 2nd	Floor				
Incandescent	2%	2019	\$3,200	2		
Egress Lighting						
Emergency, Battery	50%	2019	\$10,800	10	\$1,900	
Exit, Service	50%	2019	\$1,100	1		
	Obsolete Equipment, Extent:	Moderate, Area Afj	fected : 100%			
	Location : Throughout The	Building				
Exterior Lighting						
HID	100%	2019	\$60,300	10		
Alarm						
Fire/Smoke Detection						
Generic	100%	2019	\$165,300	1-3	\$10,000	

Mechanical	Current Repair	Future	Replacement	Ma	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%	2034	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2037	* *	1	\$7,800	
	Other Observation, Extent : Lig	ght, Area Affected :	100%			
	Location: Basement					
	Explanation: (1) Gas Fired H	Hot Water Boiler				
Distribution						
Hot Wtr Piping/Pump	100%	2040	* *	4	\$1,200	
Terminal Devices						
Air Handler	80%	2019	\$168,200	1	\$7,800	
	On Extended Life, Extent: Mod	lerate, Area Affecte	ed : 100%			
	Location: Roof And Basemer	t, Equipment Appr	oaching Useful Li	fe 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.

Asset #: 13261

Mechanical		Current I	Repair	Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
ir Conditioning									
Conversion Equipment									
Int Pkg Unit -	25%	Now	\$79,500	2029	* *	2	\$200		
Heating/Cooling	Unit In on a	mahla Eut	ent : Moderate, Are	a Affaata	1.500/				
		тивіе, Ехів : Basemen		и Ајјесте	a. 50%				
E DI II '				2024	* *		# 400		
Ext Pkg Unit -	50%	Now	\$93,600	2034	* *	2	\$400		
Heating/Cooling	Unit Inone	vahla Evt	ent : Moderate, Are	a Affacta	od · 50%				
	Location		m . mouertie, Are	и Ајјесте	a . 5070				
Window/Wall Unit	25%	. Rooj		2019	\$7,800	1			
entilation	2370			2019	\$7,000	1			
Distribution									
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$8,800		
Exhaust Fans							40,000		
No Component	50%								
Not Accessible	50%								
lumbing									
H/C Water Piping									
Brass/Copper	100%			2044	* *	1			
Water Heater									
Gas Fired	100%			2022	\$9,100	2	\$200		
Sanitary Piping									
Cast Iron	100%			LIFE	* *	1			
Storm Drain Piping	1000/			LIEE	* *				
Cast Iron	100%			LIFE	* *	1			
Sump Pump(s) Submersible	100%			2010	\$500	4	\$500		
	100%			2019	\$500	4	\$300		
Backflow Preventer No Component	80%								
Generic	20%			2029	* *	1	\$200		
Generic		ervation E	Extent : Light, Area			1	\$200		
		: Basemen	_	1.15100100	. 20/0				
		ion : Boile							
Fixtures	_T		>						
Generic	100%								

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$194,600	
Interior Architecture	\$56,200	
Electrical		\$121,400
Mechanical		\$672,700
Total	\$250,800	\$794,100
Importance Code A	\$194,600	
Importance Code B	\$56,200	\$794,100
Total	\$250,800	\$794,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$64,200			
Interior Architecture			\$1,800	\$2,800
Electrical	\$900	\$1,400	\$1,100	\$15,500
Mechanical	\$1,600	\$4,500	\$2,800	\$14,200
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$70,700	\$9,900	\$9,600	\$36,500
Importance Code A	\$65,000	\$1,000	\$800	\$800
Importance Code B	\$5,700	\$8,900	\$8,800	\$35,700
Importance Code C				
Total	\$70,700	\$9,900	\$9,600	\$36,500



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 #: 13262

rchitecture	Current F	Repair	Future Replacement		M		
ystem Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior							
Exterior Walls		*			_		
Masonry: Brick	85% Now Efflorescence, Extent Location : Through		LIFE Affected .	**	5	\$30,300	
Masonry: Limestone	10% 4+ Vegetation Growth, E Location : Through		LIFE Area Affe	* * cted : 15%	5	\$2,700	
Stucco Cement	5% Now Cracking/Crumbling, Location: Throughe Loose/Delam Surface Location: Moat Are Other Observation, E Location: Throughe Explanation: Actua	out Moat Areas , Extent : Severe, A eas xtent : Moderate, A out	rea Affe	cted : 20%	5	\$2,200	
Windows							
Aluminum	100% Now Ctrwt/Balnc Not Fund Location: Through Unit Inoperable, Exte Location: Through	out ent : Moderate, Are			5	\$2,800	
Parapets							
Masonry: Brick	85% Now Jnt Mortar Miss/Eroa Location: Through		LIFE e, Area A	* * Affected : 25%	5	\$3,500	
Masonry: Limestone	10% 0-2 Jnt Mortar Miss/Eroa Location : Through		LIFE e, Area A	* * Affected : 50%	5	\$500	
Metal Panel	5%		2044	* *	5	\$800	
Roof							
Copper/Terne Modified Bitumen	80% 20%		2052 2029	* *	10 10	\$45,600 \$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	Current Repair Future Repla		e Replacement	cement Maintenance		
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior						
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 Affe	ected : 100%			
Glass Block	5% Recent Replace Evident, Extent: Light,	2059 Area Affe	* * ected : 100%	1		
	Location: Mezzanine Level, 2012					
	Other Observation, Extent : Moderate,	Area Affe	cted : 100%			
	Location : Mezzanine Level					
	Explanation: Suspended Glass Panel.	s				
Mosaic Tile	2%	2041	* *	5	\$1,200	
	Recent Replace Evident, Extent : Light, Location : Main Lobby, 2012		ected : 100%	-	¥ - ,_ · ·	
Vinyl Tile	85% 4+ \$56,200	2032	* *	3	\$7,500	
<u>,</u>	Adhesion Failure, Extent : Moderate, A	rea Affeci	ted : 30%			
	Location: Various Locations Through	out				
	Recent Replace Evident, Extent : Light,		ected : 90%			
	Location: Throughout Public Areas, 2					
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 Affe	ected : 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 Affec	eted : 100%		,	
Wood	5%	LIFE	* *	5	\$3,000	
	Recent Repair Evident, Extent: Light, A Location: Throughout, 2012	Area Affec	eted : 100%			
Ceilings	-					
AcousTileSusp.Lay-In	10%	2041	* *	5	\$2,300	
	Recent Replace Evident, Extent : Light, Location : Various Locations Through					
Glass: Susp Panels	10%	LIFE	* *			
States. 2 day 1 difets	Recent Replace Evident, Extent: Light, Location: Mezzanine Level, 2012		ected : 100%			
Plaster	80%	LIFE	* *	5	\$11,700	
1 145001	Recent Repair Evident, Extent : Light, A		eted : 90%	3	Ψ11,700	
	Location: Various Locations Through					

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

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

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	Priority
Inder 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2050	* *	5	\$400	
			xtent : Moderate, A	rea Affe	cted : 100%			
		: Electrica						
	Explana	tion : One 4	00 Amperes Main	Disconn	ect Switch			
Switchgear / Switchboard						_	**	
Molded Case Bkrs	70%			2050	* *	5	\$300	
Molded Case Bkrs	30%			2034	* *	5	\$100	
Raceway	500 /			2024				
Conduit	70%			2034	* *	1		
Conduit	30%			2050	* *	1		
Panelboards	50/			2022	* *	-		
Fused Disc Sw	5%			2032	* *	5		
Molded Case Bkrs	10%			2032	* *	5	# 400	
Molded Case Bkrs	85%			2046	* *	5	\$400	
Wiring	200/			2050	* *	1		
Thermoplastic	30%			2050	* *	1		
Thermoplastic	70%			2034	* *	1		
Motor Controllers	500/			2020	* *	-	¢100	
Locally Mounted	50%			2029	* *	5	\$100	
Locally Mounted	50%			2041		5	\$100	
Ground								
Grounding Devices Generic	100%			LIFE	* *	5	\$200	
ighting	10070						Ψ200	
Interior Lighting								
Fluorescent	60%			2032	* *	10	\$8,700	
Tuorescent		And Fixtur	es, Extent : Moder		a Affected : 100%	10	Ψ0,700	
	_		out The Building	,	55			
Fluorescent	30%			2032	* *	10	\$4,400	
Tuorescent		And Fixtur	es, Extent : Moder		Affected · 100%	10	φ+,+00	
	-		out The Building	, 11100	ingceica i 10070			
Fluorescent	10%			2024	\$17,600	10	\$1,500	
Fluorescent		arvation F	xtent : Moderate, A			10	\$1,300	
			Ment . Moderate, F And Auditorium	неи Ајје	ciea . 10070			
		tion : T-12 1						
Egress Lighting	Елрини	non . 1-12 1	мпрз					
Emergency, Battery	15%			2024	\$3,500	10	\$600	
Emergency, Battery	35%			2032	**	10	\$1,300	
Exit, LED	30%			2052	* *	1	Ψ1,500	
Exit, Service	10%			2024	\$300	1		
Exit, Service	10%			2032	**	1		
Exterior Lighting	1070			2032		1		
HID	100%			2024	\$66,200	10		
ightning Protection	10070			2021	\$00,200	10		
Arresters/Cabling								

Maintenance \$ are aggregated over a ten-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	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
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	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		
	Other Observation, I		Area Affec	ted : 100%			
	Location : Parking						
	Explanation : Oil T	Tank Abandoned In	Place				
Conversion Equipment							
Hot Water Boiler	100%		2037	* *	1	\$7,900	
	Other Observation, I	_	Affected :	100%			
	Location: Baseme						
	Explanation : 1 Ga	s Fired How Water	Boiler				
Distribution (P.	1000/		20.40	* *	4	ф1 2 00	
Hot Wtr Piping/Pump	100%		2040	* *	4	\$1,200	
Terminal Devices	600/			di di			
Air Handler	60%		2032	* *	1	\$5,900	
Convector/Radiator	20%		2029	* *	l	\$1,000	
Convector/Radiator	20%		2041	* *	1	\$1,000	
Air Conditioning							
Energy Source	1000/		20.40	* *	1		
Electricity	100%		2040	* *	1		
Conversion Equipment	1000/		2020	0614200	2	Ф1 000	
Interior Pkg Unit -	100%		2028	\$614,300	2	\$1,000	
Cooling	Dagant Installation	Extent : Light Assa	Affacta 1	. 1000/			
	Recent Installation,	Extent : Lignt, Area nt Mechanical Roor					
Heat Daigeties	Locuion . Daseme	ні теснинісці КООГ	п лии Г Ш	ı Koom			
Heat Rejection Air Cooled Condenser	100%		2032	* *	2	\$11,100	
Unit Cooled Condenser	10070		2032		2	\$11,100	
Omi	Recent Installation,	Extent · Light Arga	Affected	. 100%			
	Location : In Front	_	пусски.	100/0			
Ventilation	Location . In 1 Total	. J Dimanig					
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$8,800	
Exhaust Fans	100/0		L II L			ψ0,000	
Interior	100%		2024	\$58,500	2	\$500	
Plumbing	100/0		2027	Ψ20,200		ΨΣΟΟ	

Plumbing

Maintenance \$ are aggregated over a ten-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	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	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	\$10,000	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 Boiler Only					
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
•	Other Observation, Extent : Light, Area		: 100%			
	Location: Basement Through Second					
	Explanation: Newly Installed Hydrau	lic Eleva	tor			

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : RED HOOK BRANCH LIBRARY
Address : 7 WOLCOTT ST. @DWIGHT STREET

Borough : BROOKLYN Agency's Number : 70

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 25-Jun-2007 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 577 Lot : 29 BIN : 3008650

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$82,100	
Interior Architecture		\$79,400
Electrical	\$74,600	
Mechanical	\$178,900	
Total	\$335,600	\$79,400
Importance Code A	\$82,100	
Importance Code B	\$253,500	\$79,400
Total	\$335,600	\$79,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$27,200		\$5,100	
Interior Architecture	\$13,100	\$1,200		\$200
Electrical	\$12,300	\$100		
Mechanical	\$7,000	\$1,400	\$3,100	\$1,600
Total	\$59,500	\$2,700	\$8,200	\$1,800
Importance Code A	\$27,700	\$400	\$5,500	\$400
Importance Code B	\$26,300	\$2,300	\$2,700	\$1,400
Importance Code C	\$5,500			
Total	\$59,500	\$2,700	\$8,200	\$1.800



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

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

BROOKLYN PUBLIC LIBRARY - 038 RED HOOK BRANCH LIBRARY

Asset #: 13263

Architecture	Cur	Current Repair		Future Replacement		Maintenance	
ystem Component Type	% of Fail l Total (Yes	Date Estimated Cost ars)	Year l FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior							
Exterior Walls							
Cast in Place Concrete	40% No	. ,	LIFE	* *	5	\$26,900	
		cement, Extent : Mode					
		derside Of Overhang At		ance And Along	Dwight S	street Facade	
	-	: Moderate, Area Affec		4 141 B:	1 . a	П. 1	
		ner At Dwight and Wol					
Glass Block	3%		LIFE	* *	5	\$300	
Masonry: Brick	57% No	. ,	LIFE	* *	5	\$7,700	
		Elements, Extent : Ligh					
	Location : Lov	ver Courses On Walcott	t Street Fac	ade			
Parapets					_		
Stucco Cement	100%		2031	* *	5	\$10,200	
Roof	1000/		•010	404 400	_	000 -00	
Roll Roofing	100%		2019	\$82,100	5	\$32,700	
		Extent : Light, Area Aff	ected: 10%	<i>o</i>			
	Location: Thr	-		. =0.			
	_	t, Extent : Moderate, A	rea Affecte	d: 5%			
	Location : At I	tear Drain					
terior							
Floors Cast in Place Concrete	8%		LIFE	* *	5	¢1 000	
Cast in Place Concrete Ceramic Tile	670 4%		2027		5 5	\$1,800 \$400	
	470 88%		2027	\$8,200	3		
Vinyl Tile		oling, Extent : Moderate		\$79,400	3	\$3,500	
	_	ning, Exiem . Moderdi ew Random Spots	е, Агеи Ајје	ciea . 270			
Interior Walls	Locuiton . A F	ew Kanaom Spois					
Cast in Place Concrete	10%		LIFE	* *			
Concrete Masonry Unit	85% No	w \$5,500	LIFE	* *	5	\$4,900	
Concrete Masoniy Onit		w \$5,500 Extent : Light, Area Af			3	\$4,900	
		f And Public Women Re					
M D.: -1-	5%	- Ina i uone women id		* *			
Masonry: Brick	3%		LIFE				
Ceilings	90/ No	\$700	2010	\$6,000	5	\$400	
AcousTileSusp.Lay-In	8% No	w \$700 oring, Extent : Moderat	2019	\$6,900	5	\$400	
		lti Purpose Meeting Ro					
Б. 10		I urpose meening Ko				4.50	
Exposed Concrete	92%	T	LIFE	**	5	\$1,500	
		on, Extent : Moderate,	Area Affect	ea : 100%			
	Location: Thr		.•				
	Explanation:	Precast Concrete T Sec	tions				

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

Under 600 Volts

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 RED HOOK BRANCH LIBRARY

Asset #: 13263

Electrical	Current Repair	Future	Replacement	M		
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts						
Service Equipment						
Molded Case Bkrs	100%	2044	* *	5	\$200	
	Other Observation, Extent: Moder	ate, Area Affect	ted : 100%			
	Location: Electrical Room					
	Explanation : 1- Electrical Service	ce No Ratings A	vailable.			
Switchgear / Switchboard	1000/		di di	_		
Molded Case Bkrs	100%	2044	* *	5	\$200	
Raceway	000/		** * * * * * * * * *			
Conduit	80%	2028	\$25,400	1		
Conduit	20%	2044	* *	1		
Panelboards	250/	2010	#2 000	-	#100	
Molded Case Bkrs	25%	2019	\$3,800	5	\$100	
Molded Case Bkrs	75%	2040	~ ~	5	\$100	
Wiring	80%	2028	#22.500	1		
Thermoplastic	20%	2028 2044	\$22,500	1 1		
Thermoplastic Motor Controllers	20%	2044		1		
Locally Mounted	100%	2023	\$15,300	5	\$100	
Ground	10070	2023	\$13,300	3	\$100	
Grounding Devices						
Not Accessible	100%					
Lighting	10070					
Interior Lighting						
Fluorescent	98%	2019	\$74,600	10	\$6,700	
110010001	Other Observation, Extent : Moder			10	\$0,700	
	Location: Throughout The Build					
	Explanation : T12 Lamps	J				
Incandescent	2%	2019	\$1,500	2		
Egress Lighting		<u>-</u>	. ,			
Emergency, Battery	50%	2026	\$5,100	10	\$900	
Exit, Battery	50%	2026	\$1,700	10	\$300	

Mechanical	Cur	rent Repair	Futu	re Replacement	Maintenance		
System Component Type	% of Fail Total (Yes	Date Estimated Cost ars)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
leating							
Energy Source							
Natural Gas	100%		2038	* *	1		
Conversion Equipment							
Furnace	60%		2023	\$10,100	1	\$2,200	
Hot Water Boiler	40%		2031	* *	1	\$1,500	
Distribution							
Hot Wtr Piping/Pump	100%		2034	* *	4	\$400	
Terminal Devices							
Convector/Radiator	100%		2031	* *	1	\$2,400	

Air Conditioning

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 RED HOOK BRANCH LIBRARY

Asset #: 13263

Mechanical	Curren	t Repair	Futur	e Replacement	M		
System Component Type	% of Fail Dat Total (Years)	te Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning							
Energy Source							
Electricity	100%		2034	* *	1		
Conversion Equipment							
Reciprocating	100%		2019	\$60,400	1	\$3,500	
Compr/Chiller							
Terminal Devices							
Air Handler/Cool/Ht	100%		2019	\$79,800	1	\$4,600	
Heat Rejection							
Dry Cooler	100%		2019	\$38,700	2	\$5,200	
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,200	
Exhaust Fans							
Roof	100%		2023	\$11,800	2	\$200	
Plumbing							
H/C Water Piping							
Galvanized Steel	100%		2031	* *	1		
Water Heater							
Gas Fired	100%		2019	\$4,300	2	\$100	
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Sump Pump(s)							
Non-Submersible	100%		2023	\$1,100	4	\$200	
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: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : RUGBY BRANCH LIBRARY
Address : 1000 UTICA AVE. @TILDEN AVE.

Borough : BROOKLYN Agency's Number : 54

Area Sq Ft : 9,000 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 13-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1

Block : 4721 Lot : 28 BIN : 3103730

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$108,000	
Interior Architecture	\$3,500	\$63,600
Electrical	\$4,600	
Mechanical	\$291,800	\$46,400
Total	\$407,900	\$110,100
Importance Code A	\$108,000	
Importance Code B	\$299,800	\$110,100
Total	\$407,900	\$110,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,300			\$300
Interior Architecture	\$100		\$900	\$3,700
Electrical	\$9,700	\$400	\$300	\$300
Mechanical	\$800	\$2,500	\$1,500	\$7,400
Total	\$19,900	\$2,900	\$2,700	\$11,800
Importance Code A	\$9,800	\$400	\$400	\$800
Importance Code B	\$10,100	\$2,400	\$2,300	\$11,100
Importance Code C				
Total	\$19,900	\$2,900	\$2,700	\$11,800



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

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

BROOKLYN PUBLIC LIBRARY - 038 RUGBY BRANCH LIBRARY

Asset #: 13264

:e	Maintenance		eplacement	Future	Repair	Current R		Architecture	
ed Cost Priori	Estimated Cost	Cycle I (Yrs)	timated Cost	Year l FY	Estimated Cost	Fail Date (Years)	% of Total	ystem Component Type	
								terior	
								Exterior Walls	
•	\$13,600	5	* *	LIFE			97%	Masonry: Brick	
\$1,400	\$1,400	5	* *	LIFE			3%	Pre-Cast Concrete	
Φ.600	# COO	-	* *	2022			7.50/	Windows	
\$600		5	* *	2032	Φ0.600	3.7	75%	Aluminum	
\$100	\$100	5		2049	\$8,600 Extent : Moderate,	Now		Aluminum	
			a : 50%	Area Ajjec	Extent : Moaerate, d West Facades				
			atad : 50%	ta Araa At	a west Facaaes d, Extent : Modera				
			ciea . 5070	ie, Areu Aj	a, Extent . Moderd d West Facades				
					a rest i deducs	. Sount Hu	Locuion	Parapets	
\$3,200	\$3,200	5	* *	LIFE			90%	Masonry: Brick	
	\$1,400	5	* *	2044			10%	Metal Panel	
<i>\$1,100</i>	ψ1,100			2011			1070	Roof	
			* *	2034	\$108,000	0-2	100%	Modified Bitumen	
					lerate, Area Affecte		Blisters, Ex		
				ed : 15%	derate, Area Affect	_	Ponding, E		
			15%	rea Affecte	tent : Moderate, Ai out	n/Split, Ext : Througho	_		
								terior	
								Floors	
\$400	*	5	* *	2033			5%	Ceramic Tile	
	\$2,800	3	\$63,600	2024			90%	Vinyl Tile	
\$200	\$200	3	\$3,500	2019	16.1		5%	Vinyl Tile	
			: 100%	Area Affect	xtent : Moderate, A				
						: Boiler Ro			
					iles	on : 9x9 Ti	Explanati	Later's W. Ha	
\$100	\$100	5	* *	2022			20/		
\$100	· ·		* *						
\$500			* *						
ψ500	\$200	3	•	LITE			0 / /0		
\$7,400	\$7,400	5	* *	2037			90%		
	\$1,000		* *						
		5 5 5 5	* *	2033 LIFE LIFE 2037 LIFE			3% 10% 87% 90% 10%	Interior Walls Ceramic Tile Concrete Masonry Unit Plaster Ceilings AcousTileSusp.Lay-In Gypsum Board	

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

Under 600 Volts

Service Equipment

Fused Disc Sw 100% 2024 \$1,500 5

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

Location: Electrical Room

Explanation: Main Service Switch Rated @ 200 Amperes

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

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

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BROOKLYN PUBLIC LIBRARY - 038 RUGBY BRANCH LIBRARY

Asset #: 13264

Electrical	Current Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Raceway						
Conduit	90%	2024	\$28,600	1		
Conduit	10%	2044	* *	1		
Panelboards						
Molded Case Bkrs	75%	2040	* *	5	\$200	
Molded Case Bkrs	25%	2023	\$3,800	5	\$100	
Wiring						
Thermoplastic	75%	2044	**	1		
Thermoplastic	25%	2024	\$7,000	1		
Motor Controllers	1000/	• • • •	di di	_	4100	
Locally Mounted	100%	2029	* *	5	\$100	
Fround						
Grounding Devices	1000/	LIDE	* *	-	#100	
Generic	100%	LIFE	T. T.	5	\$100	
ighting						
Interior Lighting	90%	2029	* *	10	\$7.400	
Fluorescent	70% T-8 Lamps And Fixtures, Extent: Mode			10	\$7,400	
	Location: Throughout The Building	тие, лгеи	Affecteu . 100/0			
Fluorescent	5%	2019	\$4,600	10	\$400	
	T-12 Lamps And Fixtures, Extent: Mod	lerate, Ared	a Affected : 100%			
	Location: Book Shelves Area					
Fluorescent	5%	2029	* *	10	\$400	
	Other Observation, Extent : Moderate,	Area Affec	ted : 100%			
	Location: Front Entrance					
F 1'14'	Explanation : Compact Fluorescent L	ight Fixtui	res			
Egress Lighting	500/	2020	* *	10	¢1 100	
Emergency, Battery	50%	2029	* *	10	\$1,100	
Exit, Service	50%	2029		1		
Exterior Lighting Fluorescent	25%	2024	\$7,300	10	\$200	
Fluorescent	25% Other Observation, Extent: Moderate,		. ,	10	\$200	
	Location: Front	лгеи лујес	iea . 10070			
	Explanation : Compact Fluorescent L	iaht Firtu	ras			
HID				10		
HID	75%	2024	\$25,800	10		
Alarm Security System						
Security System Generic	100%	2032	* *	1	\$3,400	
Generic	Other Observation, Extent: Moderate,			1	φ 5 , 4 00	
	Location: Throughout The Building	incu rijjet				
	Explanation: C C T V Surveillance C	7				

Mechanical	Current	Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e 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.

Maintenance \$ are aggregated over a 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 RUGBY BRANCH LIBRARY

Asset #: 13264

Mechanical	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Dat Total (Years	te Estimated Cost)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source	1000/		2011	* *			
Natural Gas	100%		2044	* *	1		
Conversion Equipment Hot Water Boiler	100%		2037	* *	1	\$4,500	
Hot water Boner		Extent : Light, Area		: 100%	1	Φ - ,500	
	Location : Basem	=	55				
	Explanation: 1 U	Init					
Distribution							
Hot Wtr Piping/Pump	100%		2032	* *	4	\$700	
Terminal Devices							
Air Handler	20%		2024	\$24,000	1	\$1,100	
Convector/Radiator	80%		2037	* *	1	\$2,300	
Air Conditioning							
Energy Source Electricity	100%		2040	* *	1		
Conversion Equipment	10070		2040		1		
Interior Pkg Unit -	80%		2022	\$255,400	2	\$400	
Cooling	8070		2022	\$233,400	2	Φ+00	
Cooling	R-22 Refrigerant, I	Extent : Light, Area A	ffected :	80%			
		oor Equipment Room					
Int Pkg Unit -	20%		2022	\$36,300	2	\$100	
Heating/Cooling	_0,0			<i>\$20,200</i>	_	\$100	
	R-22 Refrigerant, I	Extent : Light, Area A	ffected :	20%			
	Location: 1st Flo	oor Equipment Room					
Heat Rejection							
Dry Cooler	100%		2024	\$46,400	2	\$6,300	
Ventilation							
Distribution	1000/		TIPP	مئد رائ	2.5	# 7.000	
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$5,000	
Exhaust Fans	90%		2024	¢27.200	2	\$200	
Interior Roof	90% 10%		2024 2024	\$27,300 \$1,400	2 2	\$300	
Plumbing	1070		2024	\$1,400			
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater					-		
Gas Fired	100%		2022	\$5,200	2	\$100	
Sanitary Piping						*	
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Fixtures							
Generic	100%						

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

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

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$91,100	
Interior Architecture	\$60,300	
Electrical	\$112,200	\$104,100
Mechanical		\$255,000
Total	\$263,500	\$359,100
Importance Code A	\$91,100	
Importance Code B	\$172,400	\$359,100
Total	\$263,500	\$359,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$24,400			
Interior Architecture	\$22,100			\$1,200
Electrical	\$16,500	\$800	\$700	\$31,600
Mechanical	\$8,000	\$3,600	\$2,600	\$3,300
Total	\$71,000	\$4,400	\$3,400	\$36,100
Importance Code A	\$25,100	\$500	\$500	\$500
Importance Code B	\$45,900	\$3,800	\$2,800	\$35,600
Importance Code C				
Total	\$71,000	\$4,400	\$3,400	\$36,100



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 RYDER BRANCH LIBRARY

Asset #: 13265

Architecture	Current Repair Futur		Future	Future Replacement Mainten			
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior							
Exterior Walls	100/			* *	_	# 4 2 00	
Cast in Place Concrete	10%		LIFE	* *	5	\$4,200	
Masonry: Brick Windows	90%		LIFE		5	\$7,500	
Aluminum	100% Now Air Infiltration, Extend Location: Througho		2032 Affected	* * : 25%	5	\$1,400	
	Weather Strip Missing Location: Througho		te, Area A	Affected : 100%			
Roof							
Modified Bitumen	100% 0-2 Seams Open/Split, Ext Location: Througho Water Penetration, Ex Location: Various L	ut tent : Moderate, A	rea Affec				
nterior							
Floors	100/		LIEE	* *	_	¢1 000	
Cast in Place Concrete Quarry Tile	10% 5%		LIFE 2037	* *	5 5	\$1,800 \$600	
Vinyl Tile	85% 0-2	\$60,300	2037	* *	3	\$2,600	
,	Cracking/Crumbling, Location: Througho Worn/Eroded, Extent: Location: Througho	ut Moderate, Area A					
Interior Walls							
Ceramic Tile	3%		2033	* *	5	\$200	
Concrete Masonry Unit	40%		LIFE	* *	5	\$1,200	
Gypsum Board	47% 10%		LIFE LIFE	* *	5	\$2,100	
Masonry: Brick Ceilings	1070		LIFE				
AcousTile,Adhered	35% 4+ Staining/Discoloring, Location: Througho Worn/Eroded, Extent:	ut Moderate, Area A			5	\$1,400	
	Location: Througho						
AcousTileSusp.Lay-In	50% 4+ Staining/Discoloring, Location: Througho	ut			5	\$2,100	
	Water Penetration, Ex Location: Various L Worn/Eroded, Extent: Location: Througho	ocations Through Moderate, Area A	out				
Exposed Struc: Steel Gypsum Board	5% 10% 2-4 Horizontal Cracks, Ex Location: Main Pub	\$400 tent : Light, Area	LIFE LIFE Affected :	* * * *	5	\$1,000	

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

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

BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

Electrical	Current Repair	Repair Future Replacement			Maintenance		
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts		,					
Service Equipment							
Molded Case Bkrs	100%	2024	\$1,500	5	\$300		
	Other Observation, Extent : Mod		d: 100%				
	Location : 1st Floor, Mechanica						
	Explanation: One 350 Ampere.	s Main Disconnect	Switch				
Switchgear / Switchboard Molded Case Bkrs	100%	2024	\$22.700	5	\$300		
	100%	2024	\$32,700	5	\$300		
Raceway	900/	2024	¢25 400	1			
Conduit	80%	2024	\$25,400	1			
Conduit	20%	2044		1			
Panelboards	50/	2022	#000	-			
Fused Disc Sw	5%	2023	\$800	5	0000		
Molded Case Bkrs	75%	2023	\$11,400	5	\$200		
Molded Case Bkrs	20%	2040	* *	5	\$100		
Wiring	500/ 2.4 014	100 2040	* *				
Braided Cloth		,100 2049		1			
	Insulation Aged, Extent: Modera		100%				
	Location: Throughout The Buil						
Thermoplastic	20%	2044	* *	1			
Thermoplastic	30%	2024	\$8,400	1			
Motor Controllers							
Locally Mounted	100%	2022	\$30,600	5	\$100		
Ground							
Grounding Devices							
Generic	100%	LIFE	* *	5	\$200		
Lighting							
Interior Lighting							
Fluorescent	96%	2024	\$104,100	10	\$9,400		
	Other Observation, Extent: Mod		rd: 100%				
	Location : Throughout The Bui	lding					
	Explanation: T-12 Lamps						
Incandescent	4%	2024	\$4,300	2			
Egress Lighting							
Emergency, Battery	50%	2029	* *	10	\$1,300		
Exit, Service	50%	2029	* *	1			
Exterior Lighting							
HID	50%	2024	\$20,400	10			
Incandescent	50%	2024	\$17,400	2			
Alarm							
Security System							
No Component	70%						
1		2024	* *	1	¢1 200		
Generic	30%	2034	• •	1	\$1,200		
-	30%	2034		1	\$1,200		

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

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

BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

Mechanical	Current F	Repair	Future Replacement		M	Maintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating							
Energy Source	1000/		2044	* *	1		
Natural Gas	100%		2044	7. 7.	1		
Conversion Equipment Furnace	70%		2029	* *	1	\$3,700	
rumace	Other Observation, E.	Extent · Light Area			1	\$3,700	
	Location : 1st Floor	_	турсеней	. , 0 , 0			
	Explanation: 3 Uni						
Hot Water Boiler	30%		2037	* *	1	\$1,600	
Hot water Boller	Other Observation, E.	Extent : Light, Area		: 30%	1	\$1,000	
	Location : 1st Floor	_	турсеней	. 5070			
	Explanation: 1 Uni						
Distribution		-					
Hot Wtr Piping/Pump	100%		2032	* *	4	\$800	
Terminal Devices						·	
Convector/Radiator	30%		2037	* *	1	\$1,000	
No Component	70%						
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Reciprocating	100%		2024	\$86,100	1	\$5,000	
Compr/Chiller							
	R-22 Refrigerant, Ext	ent : Light, Area A	ffected : .	100%			
	Location: Roof						
	Other Observation, E.	xtent : Light, Area	Affected	: 100%			
	Location : Roof						
	Explanation: Four	Split Systems, Rooj	Mounte	d Air Condensers			
Terminal Devices	1000/		2024	#112 000		Φ	
Air Handler/Cool/Ht	100%		2024	\$113,800	I	\$6,600	
Heat Rejection	1000/		2024	Φ.σ.σ. 200	2	Φ7.400	
Dry Cooler	100%		2024	\$55,200	2	\$7,400	
Ventilation Distribution							
Distribution Ductwork/Diffusers	100%		LIFE	* *	2-5	\$6,000	
Exhaust Fans	100/0		LIFE		2-3	\$0,000	
Interior	80%		2024	\$28,900	2	\$300	
Roof	20%		2024	\$3,400	2	\$100	
	2070		2027	ψ2,π00		Ψ100	
1 0	100%		2044	* *	1		
Water Heater							
Gas Fired	100%		2019	\$6,200	2	\$200	
·							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
Plumbing H/C Water Piping Brass/Copper Water Heater Gas Fired Sanitary Piping Cast Iron Storm Drain Piping	100% 100% 100%		2044 2019 LIFE	** \$6,200 **	1 2 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.

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BROOKLYN PUBLIC LIBRARY - 038 RYDER BRANCH LIBRARY

Asset #: 13265

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

Fixtures

100% Generic

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$40,700	
Interior Architecture	\$91,000	
Electrical	\$75,900	\$73,400
Mechanical		\$347,800
Total	\$207,600	\$421,200
Importance Code A	\$40,700	
Importance Code B	\$166,900	\$421,200
Total	\$207,600	\$421,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$30,700			
Interior Architecture	\$600			\$1,300
Electrical	\$8,000	\$1,300	\$1,000	\$1,000
Mechanical	\$1,500	\$3,300	\$2,300	\$9,300
Total	\$40,900	\$4,700	\$3,300	\$11,600
Importance Code A	\$31,300	\$500	\$500	\$500
Importance Code B	\$9,600	\$4,200	\$2,800	\$11,100
Importance Code C		,	,	
Total	\$40,900	\$4,700	\$3,300	\$11,600



 $[\]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 SARATOGA BRANCH LIBRARY

Asset #: 13266

Architecture		Current I	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						_	444.000		
Masonry: Brick	75%			LIFE	* *	5	\$11,800		
Masonry: Limestone	20%	3.7	#1.2 00	LIFE	* *	5	\$2,400		
Metal Panel	5%		\$1,200	2034	* *	5	\$1,500		
		_	xtent : Moderate, A						
			unel Covers At Sout						
			Extent : Moderate,						
	Location	: Metal Pa	unel Covers At Sout	th And E	ast Facades				
Windows	5 0/				ala ala	_	0100		
Glass Block	5%	3.7	#20 (00	LIFE	* *	5	\$100		
Wood		Now	\$29,600	2032		5	\$17,300		
			Extent : Moderate,	Area Aff	ected: 25%				
		: Through		. 1 250					
			: Light, Area Affec	ted: 25%	0				
_	Location	: Through	out						
Parapets	1000/					_	#2.200		
Masonry: Limestone	100%			LIFE	* *	5	\$3,300		
Roof	1000/	3.7	# 40 500		* *				
Slate		Now on Func/Mi	\$40,700 iss, Extent : Modero	LIFE ate, Area					
		: Through							
	Vegetation	Growth, E	xtent : Severe, Ared	a Affecte	d : 50%				
	Location	: At Gutte	rs						
terior									
Floors	100/					_			
Cast in Place Concrete	10%			LIFE	* *	5	\$2,700		
Ceramic Tile	5%		***	2033	* *	5	\$600		
Vinyl Tile	85%		\$91,000	2034	* *	3	\$4,000		
	_	Crumbling, : At Main	Extent : Moderate Entrance	, Area Aj	fected : 20%				
	Worn/Eroc	led, Extent	: Moderate, Area A	ffected :	35%				
	Location	: First Flo	or						
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		
Ceilings							·		
AcousTileSusp.Lay-In	10%			2029	* *	5	\$1,200		
Plaster	90%			LIFE	* *	5	\$7,000		

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

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 Repai	r Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Esti Total (Years)	mated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Jnder 600 Volts						
Service Equipment						
Fused Disc Sw	100%	2044	* *	5		
	Other Observation, Extent		ted : 100%			
	Location : Electrical Roc					
	Explanation : Main Serv	ice Disconnect Switch R	Cated @ 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		
Fround						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$200	
ighting						
Interior Lighting						
Fluorescent	70%	2019	\$75,900	10	\$6,900	
	T-12 Lamps And Fixtures, Location : Throughout T		ı Affected : 100%			
Fluorescent	30%	2024	\$32,500	10	\$2,900	
	T-8 Lamps And Fixtures, E Location : Throughout T		Affected : 100%			
Egress Lighting						
Emergency, Battery	50%	2024	\$7,300	10	\$1,300	
Exit, Service	50%	2024	\$800	1		
Exterior Lighting						
HID	100%	2024	\$40,900	10		
Marm						
Security System						
Generic	100%	2032	* *	1	\$4,000	
	Other Observation, Extent		ted : 100%			
	Location : Inside And Oi					
	Explanation: CCTV S	urveillance Cameras				
Fire/Smoke Detection						
Generic	100%	2032	* *	1-3	\$6,600	
	Other Observation, Extent		ted : 100%			
	Location: Throughout T	=		a		
	Explanation : Horns, Ma	nual Pull Stations, Smo	ke Detectors And	Strobe L	aghts	

Mechanical	Current	Repair	Futu	re Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e 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.

Maintenance \$ are aggregated over a 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		Maintenance		
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating						
Energy Source	1000/	2011	* *			
Natural Gas	100%	2044	* *	1		
Conversion Equipment Hot Water Boiler	1000/	2027	* *	1	¢5.200	
Hot water Boller	100% Other Observation, Extent: Light, Area	2037		1	\$5,300	
	Location: Basement Boiler Room	і Аујестей	. 100/0			
	Explanation: 1 Unit					
Distribution	Expunction . 1 Cm					
Hot Wtr Piping/Pump	100%	2032	* *	4	\$800	
Terminal Devices					4000	
Air Handler	40%	2024	\$57,000	1	\$2,600	
Convector/Radiator	60%	2037	* *	1	\$2,100	
Air Conditioning						
Energy Source						
Electricity	100%	2040	* *	1		
Conversion Equipment						
Reciprocating	100%	2024	\$86,100	1	\$5,000	
Compr/Chiller						
	R-22 Refrigerant, Extent: Light, Area	Affected:	100%			
	Location: 2nd Floor New Extension					
Terminal Devices	1000/	2024	Ø112 400	1		
Air Handler/Dir	100%	2024	\$113,400	1		
Expansion						
Heat Rejection Dry Cooler	100%	2024	\$55,200	2	\$7,400	
Ventilation Ventilation	10070	2024	\$33,200		\$7,400	
Distribution						
Ductwork/Diffusers	100%	LIFE	* *	2-5	\$6,000	
Exhaust Fans	10070				\$0,000	
Interior	100%	2024	\$36,100	2	\$300	
Plumbing			<u> </u>		*	
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2022	\$6,200	2	\$200	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Storm Drain Piping						
Cast Iron	100%	LIFE	* *	1		
Fixtures	1000/					
Generic	100%					
Vertical Transport Elevators						
Elevators Hydraulic	100%	LIFE	* *			
Trydiaunc	Other Observation, Extent : Light, Area					
	Location: B-1	, rijjecieu	. 100/0			
	Explanation : One Hyd Chair Lift					
	Елрининон . Оне 11 ya Спин ЕЩ					

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

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

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BROOKLYN PUBLIC LIBRARY - 038 SARATOGA BRANCH LIBRARY

Asset #: 13266

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : SPRING CREEK BRANCH LIBRARY

Address : 12143 FLATLANDS AVE. @NEW JERSEY AVENUE

Borough : BROOKLYN Agency's Number : 85

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Roof, Floors 1

Block : 4413 Lot : 25 BIN : 3098071

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$46,900	
Interior Architecture		\$84,700
Mechanical	\$79,800	
Total	\$126,700	\$84,700
Importance Code A	\$46,900	
Importance Code B	\$79,800	\$84,700
Total	\$126,700	\$84,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$24,500			
Interior Architecture	\$4,500		\$1,200	\$5,300
Electrical	\$8,100	\$200	\$100	\$100
Mechanical	\$7,700	\$2,100	\$1,500	\$2,000
Total	\$44,800	\$2,300	\$2,800	\$7,400
Importance Code A	\$25,700	\$400	\$400	\$400
Importance Code B	\$14,600	\$1,900	\$2,400	\$7,000
Importance Code C	\$4,500			
Total	\$44,800	\$2,300	\$2,800	\$7,400



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

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

BROOKLYN PUBLIC LIBRARY - 038 SPRING CREEK BRANCH LIBRARY

Asset #: 13267

Architecture		Current I	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	95%	2-4	\$46,900	LIFE	* *	5	\$15,400	
		· Miss/Eroo : Through	l, Extent : Moderat out	e, Area A	Affected : 25%			
Metal: Cage/Fence	5%			2029	* *	5	\$3,500	
Parapets								
Masonry: Brick	90%			LIFE	* *	5	\$1,600	
Metal Panel	10%			2044	* *	5	\$700	
Roof								
Modified Bitumen	92%	0-2	\$22,400	2029	* *			
		xtent : Mod : Through	lerate, Area Affecte out	ed : 20%				
Skylight, Metal/Glass	8%			2044	* *	10	\$5,500	
nterior Floors								
Cast in Place Concrete	5%			LIFE	* *	5	\$1,200	
Ceramic Tile	5%			2033	* *	5	\$500	
Vinyl Tile	90%			2024	\$84,700	3	\$3,700	
Interior Walls								
Concrete Masonry Unit	90%			LIFE	* *	5	\$4,100	
Masonry: Brick	10%	4+	\$4,500	LIFE	* *			
		Crumbling, : Kitchen	Extent : Light, Are	a Affecte	ed : 15%			
Ceilings								
AcousTileSusp.Lay-In	95%			2037	* *	5	\$10,600	
Exposed Struc: Steel	5%			LIFE	* *			

lectrical	Current Repair	Futur	e Replacement	M		
ystem Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nder 600 Volts						
Service Equipment						
Molded Case Bkrs	100%	2044	* *	5	\$200	
	Other Observation, Extent : Moderate,	Area Affe	cted : 100%			
	Location: Electrical Room					
	Explanation: One 400 Amperes Main	n Disconn	ect Switch			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2044	* *	5	\$200	
Raceway						
Conduit	100%	2044	* *	1		
Panelboards						
Fused Disc Sw	10%	2040	* *	5		
Molded Case Bkrs	90%	2040	* *	5	\$200	
Wiring						
Thermoplastic	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.

BROOKLYN PUBLIC LIBRARY - 038 SPRING CREEK BRANCH LIBRARY

Asset #: 13267

Electrical	Current Repair		Future Replacement		Maintenance		
System Component Type	% of Fail Date F Total (Years)	Estimated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts							
Motor Controllers							
Locally Mounted	100%	2037	* *	5	\$100		
Ground							
Grounding Devices							
Generic	100%	LIFE	* *	5	\$100		
Lighting							
Interior Lighting							
Fluorescent	95%	2029		10	\$6,500		
		ent : Moderate, Area Aff	ected : 100%				
	Location: Throughou	t					
	Explanation : T-12 La	mps					
Fluorescent	5%	2029	* *	10	\$300		
	T-5 Lamps And Fixtures	s, Extent : Moderate, Are	ea Affected : 100%				
	Location: Front Desk	And Meeting Room					
Egress Lighting							
Emergency, Battery	50%	2029	* *	10	\$900		
Exit, Service	50%	2029	* *	1			
Exterior Lighting							
HID	100%	2029	* *	10			
Alarm							
Security System							
No Component	70%						
Generic	30%	2029	* *	1	\$800		

lechanical	Cu	Current Repair		Futur	e Replacement	Maintenance			
ystem Component Type		l Date Est ears)	timated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
eating									
Energy Source									
Natural Gas	100%			2044	* *	1			
Conversion Equipment									
Hot Water Boiler	100% N	ow	\$1,100	2029	* *	1	\$3,300		
	Malfunctioning	g, Extent : I	Moderate, Ared	ı Affected	d : 2%				
	Location: Be	oiler Contr	ol System						
	Other Observa	ition, Exten	t : Light, Area	Affected	: 100%				
	Location : M	echanical l	Room						
	Explanation	: One Unit							
Distribution									
Hot Wtr Piping/Pump	100%			2032	* *	4	\$600		
Terminal Devices									
Convector/Radiator	5%			2029	* *	1	\$100		
No Component	95%								
-	Other Observa	ition, Exten	t : Light, Area	Affected	: 0%				
	Location : M	echanical l	Room						
	Explanation	: Air Hand	ler Is Covered	Under A	C System				

Air Conditioning

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

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

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

BROOKLYN PUBLIC LIBRARY - 038 SPRING CREEK BRANCH LIBRARY

Asset #: 13267

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		
Terminal Devices								
Air Handler/Cool/Ht		Now	\$79,800	2034	* *	1	\$4,200	
			Extent: Severe, Ar	ea Affecte	ed : 100%			
	Location	: Mechan	ical Room					
Heat Rejection								
Air Cooled Condenser	100%			2024	\$14,300	2	\$5,200	
Unit								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$4,200	
Exhaust Fans								
Interior	10%			2024	\$2,500	2		
Roof	90%			2029	* *	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2044	* *	1		
Galvanized Steel	80%			2037	* *	1		
Water Heater								
Electric	100%			2019	\$6,300	4	\$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2019	\$200	1-3	\$400	
		servation, E a : Through	Extent : Light, Area out	Affected :	100%			
			Extinguishers					
	Елріапа	uon . rue .	Launguisners					

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

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

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Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$83,200	
Electrical		\$57,400
Total	\$83,200	\$57,400
Importance Code B	\$83,200	\$57,400
Total	\$83,200	\$57,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$16,600	\$3,300		
Interior Architecture	\$16,400	\$2,500		\$2,200
Electrical	\$25,800	\$1,700	\$1,300	\$1,400
Mechanical	\$6,300	\$3,800	\$3,100	\$3,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$69,100	\$15,100	\$8,400	\$10,900
Importance Code A	\$17,400	\$4,000	\$700	\$700
Importance Code B	\$51,700	\$11,200	\$7,700	\$9,700
Importance Code C				\$600
Total	\$69,100	\$15,100	\$8,400	\$10,900



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.

BROOKLYN PUBLIC LIBRARY - 038 STONE AVENUE BRANCH LIBRARY

Asset #: 13268

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	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		Now	\$16,600	2029	* *				
			lerate, Area Affecte	ed: 15%					
		: Over Sec		4 66	1 150/				
	Seams Open/Split, Extent: Moderate, Area Affected: 15%								
-	Location	: Over Sec	ond Floor						
terior									
Floors	200/			2022	D (2 500	2	Φ7.400		
Carpet	30%			2023	\$63,500 * *	3	\$7,400		
Cast in Place Concrete	3%			LIFE	* *	5	\$1,100		
Ceramic Tile	5%	3.7	ФОЗ 200	2037	* *	5	\$800		
Vinyl Tile		Now	\$83,200	2034		3	\$3,600		
			tent : Light, Area A	јјестеа :	25%				
	Location : Throughout Worn/Eroded, Extent : Light, Area Affected : 30%								
		ea, Extent : Through		tea : 30%	0				
				• • • • •	4. 4.		* * * * * * * * * *		
Wood		Now	\$16,400	2064	* *	5	\$500		
	-	-	nt : Severe, Area Af		0%				
	Location: Mechanical Room On Second Floor								
	Poor Subfloor Evident, Extent: Severe, Area Affected: 50%								
	Location: Mechanical Room On Second Floor								
	Water Penetration, Extent : Severe, Area Affected : 25% Location : Mechanical Room On Second Floor								
	Location	: Mechani	cal Room On Seco.	nd Floor					
Interior Walls	50 /			2027	* *	-	01.100		
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	1.50 /				ماد بان	-	#2.100		
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)	e 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.

BROOKLYN PUBLIC LIBRARY - 038 STONE AVENUE BRANCH LIBRARY

Asset #: 13268

Electrical		Current I	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	\$800	5		
	Location	ı : Basemen	Extent : Moderate, A at Cameplate Rating A		ected : 100%			
Molded Case Bkrs	50%			2024	\$800	5	\$200	
	Location	Other Observation, Extent : Moderate, Area Affected : 100% Location : Basement Explanation : Main Service Disconnect Rated @ 400 Amperes						
Switchgear / Switchboard					T. T.			
Molded Case Bkrs	100%			2024	\$32,700	5	\$400	
Raceway Conduit	80%			2024	\$25,400	1		
Conduit	20%			2044	**	1		
Panelboards	2070			2011				
Molded Case Bkrs	50%			2023	\$7,600	5	\$200	
Molded Case Bkrs	50%			2040	**	5	\$200 \$200	
Wiring	3070			2040			\$200	
Thermoplastic Motor Controllers	100%			2044	* *	1		
Locally Mounted	100%			2037	* *	5	\$100	
Ground								
Grounding Devices Generic	100%		\$9,600	LIFE	**	5	\$200	
	Location	servation, E 1 : Metal W tion : Corro	-	Area Affe	ected : 100%			
Lighting								
Interior Lighting Fluorescent	_	s And Fixtu	res, Extent : Moder	2029 rate, Ared	* * a Affected : 100%	10	\$1,300	
		ı : Mezzani	ne					
Fluorescent	-		ures, Extent : Mode ical Room	2024 erate, Ar	\$2,900 ea Affected : 100%	10	\$300	
Fluorescent	Location	servation, E 1 : Through	Extent : Moderate, A out The Building pact Fluorescent Li			10	\$11,500	
Egress Lighting								
Emergency, Battery	50%			2029	* *	10	\$1,700	
Exit, LED	50%			2052	* *	1	•	
Exterior Lighting HID	100%			2024	\$54,500	10		
Alarm	10070			·	¥0.,000			

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.

BROOKLYN PUBLIC LIBRARY - 038 STONE AVENUE BRANCH LIBRARY

Asset #: 13268

Electrical	Current Repair	Future Rep	acement	M				
System Component Type	% of Fail Date Estimated Total (Years)	Cost Year Estin FY	nated Cost	Cycle (Yrs)	Estimated Cost	Priority		
larm								
Security System								
Generic	100%	2029	* *	1	\$5,300			
	Other Observation, Extent: Mode	rate, Area Affected :	100%					
	Location : Throughout The Build	ling						
	Explanation : C C T V Surveilla	nce Cameras						
Fire/Smoke Detection								
Generic	100%	2029	* *	1-3	\$8,800			
	Other Observation, Extent : Mode	Other Observation, Extent : Moderate, Area Affected : 100%						
	Location : Throughout The Build	ling						
	Explanation: Strobe Lights, Smo	oke Detectors, Manua	ıl Pull Static	on And Al	arm Bells			

Mechanical	Current Repair	Future Re	placement	М	aintenance				
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Est FY	imated Cost	Cycle (Yrs)	Estimated Cost	Priority			
Heating									
Energy Source									
Natural Gas	100%	2044	**	1					
	Other Observation, Extent: Severe		00%						
	Location : Basement Electric Ro				a				
	Explanation: No Vent For Gas M	1eter Located In El	lectric Room -	Dangero	ous Condition				
Conversion Equipment	1000/	2025	* *		Φ 7 100				
Hot Water Boiler	100%	2037	• •	1	\$7,100				
	Other Observation, Extent: Light,		0%						
	Location : Basement Boiler Room	n							
Distribution	Explanation: 1 Unit								
Hot Wtr Piping/Pump	100%	2040	* *	4	\$1,100				
Terminal Devices	10076	2040		- 4	\$1,100				
Air Handler	60%	2032	* *	1	\$5,300				
Convector/Radiator	40%	2032	* *	1 1	\$1,800				
Air Conditioning	4070	2037		1	\$1,000				
Energy Source									
Electricity	100%	2040	* *	1					
Conversion Equipment	10070	2010		-					
Reciprocating	75%	2032	* *	1	\$5,000				
Compr/Chiller	, , , ,	_00_		-	\$2,000				
	R-22 Refrigerant, Extent : Light, A	rea Affected : 75%							
	Location : 2nd Floor Mechanica	l Room							
Exterior Pkg Unit -	25%	2032	* *	2	\$200				
Cooling	2370	2032		2	Ψ200				
coomig	R-22 Refrigerant, Extent : Light, Area Affected : 25%								
	Location : Basement	33							
Terminal Devices									
Air Handler/Dir	75%	2032	* *	1					
Expansion									
No Component	25%								

Maintenance \$ are aggregated over a 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 STONE AVENUE BRANCH LIBRARY

Mechanical		Current	Repair	Future Replac		М	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection Air Cooled Condenser Unit	75%			2032	* *	2	\$7,400	
	Other Obs	ervation, E	Extent : Severe, Ared	a Affectea	! : 75%			
	Location	5						
	Explana	tion : Inope	erable Unit					
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$7,900	
Exhaust Fans								
Interior		Now	\$2,400	2032	* *	2	\$300	
			Extent : Severe, Ared	a Affectea	! : 100%			
			ıt Electric Room					
	Explana	tion : No V	ent For Gas Meter					
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	* *	1		
Water Heater						_		
Gas Fired	100%			2023	\$8,200	2	\$200	
Sanitary Piping								
Cast Iron	100%		\$2,000	LIFE	* *	1		
			Extent : Severe, Area	a Affectea	!: 3%			
			nt Mens Room	_				
	Explana	tion : Wate	r Backs Up From S	ewage Di	rain			
Storm Drain Piping	1000/			LIEE	* *			
Cast Iron	100%			LIFE	* *	1		
Fixtures	1000/							
Generic	100%							
Vertical Transport								
Elevators	1000/			LIPP	* *			
Hydraulic	100%		Entant . I i - I . A	LIFE				
			Extent : Light, Area	Ађестед .	100%			
		a:B,I,M,						
	Explana	tion : 1 Un	ıt					

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : SUNSET PARK BRANCH LIBRARY
Address : 5108 FOURTH AVE. @51 ST STREET

Borough : BROOKLYN Agency's Number : 55

Area Sq Ft : 7,500 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1

Block : 798 Lot : 34 BIN : 3013507

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$81,600
Electrical		\$147,200
Mechanical		\$154,000
Total		\$382,800
Importance Code A		\$81,600
Importance Code B		\$301,200
T . 1		2222 222

Total \$382,800

\$37,300	\$8,100	CC 100	\$15,400
\$7,700	\$7,700	\$6,100	\$14,400
\$29,600	\$400	\$400	\$1,000
\$37,300	\$8,100	\$6,400	\$15,400
\$3,900	\$3,900	\$3,900	\$3,900
\$2,600	\$1,900	\$1,700	\$6,100
\$1,500	\$700	\$800	\$800
	\$1,500		\$4,000
\$29,200			\$600
FY 2019	FY 2020	FY 2021	FY 2022
	\$29,200 \$1,500 \$2,600 \$3,900 \$37,300 \$29,600 \$7,700	\$29,200 \$1,500 \$1,500 \$2,600 \$3,900 \$37,300 \$29,600 \$7,700 \$7,700	\$29,200 \$1,500 \$1,500 \$700 \$800 \$2,600 \$1,900 \$3,900 \$3,900 \$3,900 \$3,900 \$3,900 \$3,900 \$400 \$29,600 \$7,700 \$7,700 \$6,100



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 #: 13269

Architecture		Current	Repair	Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Exterior Walls								
Cast in Place Concrete	15%			LIFE	* *	5	\$7,200	
Glass Block	10%			LIFE	* *	5	\$600	
Glazed Ceramic Panel	30%			LIFE	* *	5	\$13,600	
Masonry: Brick	10%			LIFE	* *	5	\$1,000	
Masonry: Granite	30%			LIFE	* *	5	\$2,200	
Metal Panel	5%			2044	* *	5-10	\$3,300	
Windows								
Aluminum		Now	\$3,800	2040	* *	5	\$200	
			Extent : Moderate, A	Area Affe	cted : 50%			
		ı : Through						
			xtent : Moderate, A	rea Affe	cted : 15%			
	Location	ı : East Sid	e					
Parapets								
Metal Panel	5%			2044	* *	5	\$100	
Stucco Cement	95%			2037	* *	5	\$1,300	
Roof								
IRMA/Protected	100%	Now	\$24,500	2024	\$81,600			
Membrane	I 1D :	ar E	14 1 . 4	A CC .	1 200/			
			tent : Moderate, Ar	еа Ајјест	ea : 30%			
		ı : Through		A CC	. 1 100/			
			xtent : Moderate, A	rea Affe	cted: 10%			
	Lосапо	ı : First Flo	oor					
terior								
Floors	100/			2022	ф12 000	2	Φ1 COO	
Carpet	10%			2023	\$13,900 * *	3	\$1,600	
Cast in Place Concrete	5%			LIFE	* *	5	\$1,200	
Ceramic Tile	10%			2033	* *	5	\$1,100	
Vinyl Tile	75%			2029	* *	3	\$3,000	
Interior Walls	770/			TIPE	* *	_	Φ 2.7 00	
Concrete Masonry Unit				LIFE	* *	5	\$2,700	
Glass: Single Pane	3%			LIFE	* *	5	\$200	
Gypsum Board	15%			LIFE	* *	5	\$800	
Wood	5%			LIFE	* *	5	\$1,700	
Ceilings	5. 50			2025	a. a.	_	#0.100	
AcousTileSusp.Lay-In	75%			2037	* *	5	\$8,100	
			xtent : Moderate, A	rea Affe	cted : 10%			
		ı : East Sid	e					
Exposed Concrete	10%			LIFE	* *	5	\$200	
Gypsum Board	15%			LIFE	* *	5	\$2,000	

Electrical	Current Repair		Futu	re Replacement	М		
System Component Type	% of Fail Dat Total (Years)	e 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 #: 13269

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
Under 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2034	* *	5		
	Other Observation,		Area Affe	cted : 100%			
	Location : Electric						
- · · · · · · · ·	Explanation : Mair	n Service Switch Ra	ted @ 40	0 Amperes			
Switchgear / Switchboard	1000/		2024	#22.700	-	Ф200	
Molded Case Bkrs	100%		2024	\$32,700	5	\$200	
Raceway	100/		2011	* *	1		
Conduit	10%		2044	* *	1		
Conduit	40%		2034		1		
Conduit	50%		2024	\$15,900	1		
Panelboards Molded Cose Plans	600/		2022	* *	-	¢100	
Molded Case Bkrs	60%		2032		5	\$100	
Molded Case Bkrs	30%		2023	\$4,500 * *	5 5	\$100	
Molded Case Bkrs	10%		2040		3		
Wiring	400/		2034	* *	1		
Thermoplastic	40% 10%			* *	1		
Thermoplastic Thermoplastic	50%		2044 2024		1		
Motor Controllers	30%		2024	\$14,100	1		
	100%		2029	* *	5	\$100	
Locally Mounted	10070		2029		3	\$100	
Ground Grounding Devices							
Generic Generic	100%		LIFE	* *	5	\$100	
Lighting	10070		LIIL			\$100	
Interior Lighting							
Fluorescent	85%		2024	\$64,700	10	\$5,800	
Tracrescent	T-8 Lamps And Fixti	ıres. Extent : Modei		·	10	Ψ2,000	
	Location : Through		,	33			
Fluorescent	10%		2029	* *	10	\$700	
Fluorescent	T-5 Lamps And Fixti	ires Frient · Modei			10	\$700	
	Location : Staff Lo		ше, ттес	i Tijjeciea . 10070			
E1		unge	2024	¢2 000	1.0	¢200	
Fluorescent	5%	Estant Madana	2024	\$3,800	10	\$300	
	Other Observation, I Location : Baseme		A rea А IJе	стеа : 100%			
			-1.4 E:				
Esses Liebtine	Explanation : Com	pact Fluorescent Li	gnt Fixti	ires			
Egress Lighting	50%		2024	¢5 100	10	\$900	
Emergency, Battery	30% 25%			\$5,100 * *	10	\$900	
Exit, LED Exit, Service	25% 25%		2039 2024	\$300	1 1		
	<i>L3</i> //0		2024	\$300	1		
Exterior Lighting Fluorescent	100%		2024	\$24,400	10	\$700	
Fluorescent	00% Other Observation, I	Frient · Maderate			10	\$700	
	Location : Perimet		пен тује	cica . 100/0			
	Explanation: T-12						
Alarm	елрининоп . I-12	ьмирь					

Alarm

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

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

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

Asset #: 13269

Electrical	Current Repair	Futur	Future Replacement		Maintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
larm						
Security System						
Generic	100%	2024	\$23,000	1	\$2,800	
	Other Observation, Extent : Modera	te, Area Affe	cted : 100%			
	Location : Throughout The Buildin	g				
	Explanation: C C T V Surveilland	e Cameras				
Fire/Smoke Detection						
Generic	100%	2024	\$78,700	1-3	\$4,600	
	Other Observation, Extent : Modera	te, Area Affe	cted : 100%			
	Location : Throughout The Buildin	g				
	Explanation : Alarm Bells, Manua	l Pull Station	And Strobe Light:	S		

Mechanical	Current R	Repair	Futur	e Replacement	M		
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%		2034	* *	1		
Conversion Equipment							
Hot Water Boiler	100%		2029	* *	1	\$3,700	
	Other Observation, Ex	_	Affected	: 100%			
	Location: Basement						
	Explanation: 1 Unit	<u>t</u>					
Distribution							
Hot Wtr Piping/Pump	100% Now	\$200	2032	* *	4	\$400	
	Malfunctioning, Exten			d:5%			
	Location : Thermost	tats, 1st And 2nd F	loors				
Terminal Devices							
Air Handler	70%		2024	\$70,000	1	\$3,300	
Convector/Radiator	30%		2029	* *	1	\$700	
Air Conditioning							
Energy Source							
Electricity	100%		2040	* *	1		
Conversion Equipment							
Reciprocating	60%		2024	\$36,200	1	\$2,100	
Compr/Chiller							
	R-22 Refrigerant, Exte		fected :	60%			
	Location: Basement	t					
Exterior Pkg Unit -	40%		2029	* *	2	\$200	
Cooling							
	R-22 Refrigerant, Exte	ent : Light, Area A <u>j</u>	fected :	40%			
	Location: Roof						
Terminal Devices							
Air Handler/Dir	60%		2024	\$47,700	1		
Expansion							
No Component	40%						

Maintenance \$ are aggregated over a 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	М	aintenance		
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Air Conditioning								
Heat Rejection								
Dry Cooler	60%		2024	\$23,200	2	\$3,100		
No Component	40%							
Ventilation								
Distribution Ductwork/Diffusers	100% 0-2	¢1 200	LIFE	* *	2.5	¢4.200		
Ductwork/Diffusers	Dented, Extent : Sev	\$1,300			2-5	\$4,200		
	Location : Roof	ere, Area Ajjeciea :	370					
Exhaust Fans	Location . Rooj							
Exnaust Fans Interior	50%		2024	\$12,700	2	\$100		
Roof	50%		2024	\$12,700	2	\$100 \$100		
Plumbing	3070		2029			\$100		
H/C Water Piping								
Brass/Copper	100%		2034	* *	1			
Water Heater	10070		2034		1			
Gas Fired	100%		2022	\$4,300	2	\$100		
Sanitary Piping	10070		2022	Ψ+,500		\$100		
Cast Iron	100%		LIFE	* *	1			
Storm Drain Piping	10070							
Cast Iron	100%		LIFE	* *	1			
Sewage Ejector(s)								
Electric	100%		2024	\$2,000	4	\$400		
	Other Observation,	Extent : Light, Area	Affected					
	Location : Baseme	nt Ejector Room						
	Explanation: 1 Un	nit						
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%		LIFE	* *				
	Other Observation,	Extent : Light, Area	Affected	: 100%				
	Location: B-1							
	Explanation: 1 Un	it						
Fire Suppression								
Sprinkler								
No Component	75%							
Generic	25%		2044	* *	1-2	\$500		

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : ULMER PARK BRANCH LIBRARY
Address : 2602 BATH AVE. @26TH AVENUE

Borough : BROOKLYN Agency's Number : 71

Area Sq Ft : 7,666 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 21-Mar-2013 Landmark Status : NONE

Areas Surveyed : Basement, Roof, Floors 1

Block : 6897 Lot : 35 BIN : 3186777

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$140,400	
Interior Architecture	\$46,400	
Electrical		\$3,900
Mechanical	\$39,600	
Total	\$226,400	\$3,900
Importance Code A	\$140,400	
Importance Code B	\$86,000	\$3,900
Total	\$226,400	\$3,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$37,300			
Interior Architecture	\$2,800	\$700		
Electrical	\$100	\$100	\$100	\$6,800
Mechanical	\$14,200	\$500	\$2,100	\$500
Total	\$54,500	\$1,200	\$2,200	\$7,300
Importance Code A	\$37,700	\$400	\$400	\$400
Importance Code B	\$16,800	\$800	\$1,800	\$6,900
Importance Code C				
Total	\$54,500	\$1,200	\$2,200	\$7,300



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.

Architecture	Curr	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
xterior							
Exterior Walls							
Concrete Masonry Unit	5%		LIFE	* *	5	\$300	
Masonry: Brick	70% No	. ,	LIFE	**	5	\$7,700	
	Location : Wes	s, Extent : Moderate, A	rea Affec	ted: 20%			
		a racuae ging, Extent : Moderate	Aroa Af	facted + 15%			
	Location: Wes		, лгеи лу	естей . 1570			
		y Supt, Extent : Moderd	ate. Area	Affected : 25%			
	Location : At V		,	-5,5			
	Water Penetratio	on, Extent : Moderate, .	Area Affe	cted : 20%			
	Location: Boil	ler Room					
Stucco Cement	25% No	w \$8,100	2037	* *	5	\$3,400	
	Cracking/Crumb	oling, Extent : Moderat	e, Area A	ffected : 10%			
	Location: Sou	th Facade					
	Horizontal Crac	ks, Extent : Moderate,	Area Affe	cted : 10%			
	Location : Sou	th Facade					
Windows							
Aluminum	100% 0-2	+ /	2049	**	5	\$300	
	Location : Thr	nish, Extent : Moderate	e, Area Afj	tected: 50%			
		ougnoui orated, Extent : Moder	rate Area	Affacted : 25%			
	Location: Thre		ше, лгеи	Affecteu . 2570			
Parapets							
Cast Stone/Terra Cotta	5% No	w \$5,700	LIFE	* *	5	\$1,400	
	Cracking/Crumb	oling, Extent : Moderat	e, Area A	ffected : 10%			
	Location : Tall	er Parapet					
		/Erod, Extent : Modera	ite, Area A	Affected : 25%			
	Location : Cop	ping At Taller Parapet					
Concrete Masonry Unit	10% No	w \$1,900	LIFE	* *	5	\$400	
		/Erod, Extent : Modera		Affected : 25%			
		rior Face Of Taller Pa	•				
Masonry: Brick	80%		LIFE	* *	5	\$2,900	
Pre-Cast Concrete	5% No		LIFE	**	5	\$1,100	
		/Erod, Extent : Modera	ite, Area A	Affected: 25%			
	Location : Cop	_	ata Ama-	Affactad : 250/			
	Location : Cop	orated, Extent : Moder	ше, Area	Ајјества : 25%			
	Location . Cop	ing					

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

BROOKLYN PUBLIC LIBRARY - 038 ULMER PARK BRANCH LIBRARY

Asset #: 13270

Architecture	Currer	t Repair	Futur	e Replacement	M	aintenance		
System Component Type	% of Fail Da Total (Years	te Estimated Cost)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
xterior								
Roof								
Modified Bitumen	100% Now	\$70,000	2034	* *				
		oderate, Area Affecto	ed : 10%					
	Location: Roof (1.000/				
	Miss/Damagea Fia Location : North	shings, Extent : Mod	erate, Ar	ea Affectea : 20%				
		Ferimeier Extent : Moderate, A	mag Affaa	tod . 200/				
	Location : Throu		геи Ајјес	iea . 2076				
		nt : Moderate, Area A	Affected .	25%				
	Location: Throu		урестей.	2570				
nterior		-						
Floors								
Cast in Place Concrete	7% Now	\$2,200	LIFE	* *	5	\$900		
	Cracking/Crumbling, Extent: Moderate, Area Affected: 15%							
	Location : Boiler							
		Extent : Moderate, A	Area Affe	cted : 100%				
	Location : Boiler							
		ncrete Pavers Have I						
Ceramic Tile	5% Now	\$600	2033	**	5	\$100		
	_	ements, Extent : Mod	erate, Ar	ea Affected : 30%				
	Location: Bathro	ooms						
Vinyl Tile	88%		2029	* *	3	\$2,000		
Interior Walls								
Cast in Place Concrete	5%		LIFE	* *	_			
Concrete Masonry Unit			LIFE	* *	5	\$1,400		
Gypsum Board	35%		LIFE	* *	5	\$1,200		
Ceilings	0.50/ 3.1	Φ46.400	20.44	ש ש	-	Φ2.000		
AcousTileSusp.Lay-In	95% Now	\$46,400	2044	**	5	\$2,800		
	Broken/Missing Elements, Extent: Moderate, Area Affected: 30%							
	Location: Throughout							
	Staining/Discoloring, Extent: Moderate, Area Affected: 25% Location: Throughout							
	Location: Throughout Water Penetration: Extent: Severe Area Affected: 40%							
	Water Penetration, Extent : Severe, Area Affected : 40% Location : Throughout							
		nt : Moderate, Area A	Affected ·	50%				
	Location: Throu		-,, corea .					
Plaster	5%	*	LIFE	* *	5	\$200		
1 145101	570		LIIL			Ψ200		

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

Under 600 Volts

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

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

Asset #: 13270

Electrical	Current F	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								
Service Equipment								
Fused Disc Sw	100%		2034	* *	5			
	Other Observation, E		rea Affe	cted : 100%				
	Location : Electrica							
	Explanation: One 2	200 Amperes Main I	Disconn	ect Switch				
Switchgear / Switchboard	700/		2024	* *	-			
Fused Disc Sw	70%		2034	* *	5			
Fused Disc Sw	30%		2050		5			
Raceway	000/		2024	* *	1			
Conduit Conduit	90% 10%		2034 2050	* *	1 1			
Panelboards	1070		2030		1			
Fused Disc Sw	5%		2032	* *	5			
Molded Case Bkrs	30%		2046	* *	5	\$100		
Molded Case Bkrs	65%		2032	* *	5	\$100 \$100		
Wiring	0370		2032			\$100		
Thermoplastic	70%		2034	* *	1			
Thermoplastic	30%		2050	* *	1			
Motor Controllers	2070		2020		-			
Locally Mounted	100%		2029	* *	5	\$100		
Ground						4		
Grounding Devices								
Generic	100%		LIFE	* *	5	\$100		
Lighting								
Interior Lighting								
Fluorescent	5%		2024	\$3,900	10	\$400		
	Other Observation, E		rea Affe	cted : 100%				
	Location : Electrica							
	Explanation: T-12	Lamps						
Fluorescent	95%		2032	* *	10	\$6,700		
	Other Observation, E		rea Affe	cted : 100%				
	Location: Through	out The Building						
	Explanation: T-8 L	amps						
Egress Lighting					_		_	
Emergency, Battery	50%		2024	\$5,200	10	\$900		
Exit, Service	50%		2024	\$600	1			
Exterior Lighting								
HID	100%		2024	\$29,300	10			
Alarm								
Security System	700/							
No Component	70%		2024	* *	1	0000		
Generic	30%		2034	* * *	1	\$900		

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

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

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

Mechanical		Current F	Repair	Futur	e Replacement	M	aintenance	
System Component Type		ail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2044	* *	1		
Natural Gas	90%			2044	* *	1		
Conversion Equipment								
Furnace	Location: I	Roof	xtent : Light, Area			1	\$3,800	
Air Conditioning	Explanatio	n:(1) G	as Fired Packaged	Kooj 10į	O Unit			
Air Conditioning Energy Source								
Electricity	100%			2040	* *	1		
Conversion Equipment	10070			2040				
Ext Pkg Unit - Heating/Cooling	100%			2032	* *	2	\$500	
Heat Rejection								
Dry Cooler	100% Not in Servic Location : I		: Light, Area Affeo	2019 cted : 100	\$39,600	2	\$5,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$4,300	
Exhaust Fans								
Roof	100% Malfunctioni Location : I	ing, Exter	\$6,000 nt : Severe, Area Aj	2029 fected : :	* *	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2044	* *	1		
Water Heater Electric	100%			2019	\$6,400	4	\$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping	4000							
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s) Submersible	100%			2019	\$200	4	\$200	
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: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : WALT WHITMAN BRANCH LIBRARY

Address : 93 SAINT EDWARDS ST. BETWEEN MYRTLE AND PARK AVES.
Borough : BROOKLYN Agency's Number : 62

Area Sq Ft : 7,482 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 2039 Lot : 1 BIN : 3058036

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$99,600	
Interior Architecture		\$54,700
Electrical		\$154,400
Mechanical		\$139,600
Total	\$99,600	\$348,700
Importance Code A	\$99,600	
Importance Code B		\$348,700
Total	\$99,600	\$348,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$34,600			
Interior Architecture	\$34,400			\$800
Electrical	\$1,700	\$700	\$800	\$16,100
Mechanical	\$5,400	\$2,300	\$1,600	\$2,100
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$80,000	\$6,900	\$6,400	\$22,900
Importance Code A	\$35,000	\$400	\$400	\$400
Importance Code B	\$35,100	\$6,600	\$6,000	\$22,500
Importance Code C	\$10,000			
Total	\$80,000	\$6,900	\$6,400	\$22,900



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.

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	Priority
xterior							
Exterior Walls							
Masonry: Brick	75% 0-2	\$64,400	LIFE	* *	5	\$10,500	
	Cracking/Crumbling,		, Area Af	fected : 20%			
	Location : Through Jnt Mortar Miss/Erod		a Araa A	ffactad : 30%			
	Location : Through		е, пеи п	<u> Десіви</u> . 3070			
	Spalling, Extent : Mo		ed : 30%				
	Location : Through						
Masonry: Limestone	25% 4+	\$21,600	LIFE	* *	5	\$2,600	
<u>y</u> - <u>-</u>	Staining/Discoloring			fected : 20%	-	4-,000	
	Location : Cornice						
Windows							
Aluminum	100% 4+	\$13,000	2040	* *	5	\$1,500	
	Hardware Missing, E			cted : 10%			
	Location : Various	Locations Through	out				
Roof	1000/ 31	Φ25.100	LIEE	* *			
Slate	100% Now	\$35,100	LIFE				
	Broken/Missing Elen Location : Through		егше, Аге	га Аујесіва . 1576			
terior							
Floors							
Cast in Place Concrete	30%	#2 100	LIFE	* *	5	\$6,900	
Ceramic Tile	5% Now	\$2,100	2033	**	5	\$300	
	Broken/Missing Elem Location: Public R		eraie, Are	ea Affectea : 20%			
Sheet Vinyl/Rubber	5% Now	\$15,900	2034	* *	5	\$400	
J	Punct/Tear/Impact D	·	vere, Ared	a Affected : 40%		·	
	Location : Basemer	nt					
	Seams Open/Split, Extent : Moderate, Area Affected : 25%						
	Location : Basement						
	Worn/Eroded, Extent: Severe, Area Affected: 25%						
	Location : Basement Other Observation, Extent : Moderate, Area Affected : 100%						
	Other Observation, E Location : Basemer		Area Affe	cted: 100%			
	Explanation: This		m				
Vinyl Tile	60% Now	\$2,700	2024	\$54,700	3	\$2,400	
villyi Tile	00% Now Cracking/Crumbling			·	3	\$2,400	
	Location : First Flo			10/0			

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

Asset #: 13271

Architecture	Current F	Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
nterior							
Interior Walls							
Gypsum Board	10% Now	\$300	LIFE	* *	5	\$800	
	Broken/Missing Elem	ents, Extent : Seve	re, Area A	ffected : 25%			
	Location: Machine	Room					
	Cracking/Crumbling,	Extent: Moderate	, Area Aff	fected : 25%			
	Location: Machine	Room					
Plaster	90% Now	\$9,700	LIFE	* *	5	\$3,600	
	Cracking/Crumbling,	Extent : Moderate	, Area Aff	fected : 20%			
	Location : Around V	Vindows In Baseme	ent				
Ceilings							
AcousTileSusp.Lay-In	25% 4+	\$3,700	2029	* *	5	\$1,100	
	Misaligned/Bulging, Extent: Light, Area Affected: 10%						
	Location : Basemen	t					
	Staining/Discoloring, Extent: Light, Area Affected: 20%						
	Location : Basemen	t Near Elevator					
Plaster	75%		LIFE	* *	5	\$4,200	

Electrical	Current Repai	r Futur	e Replacement	M	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						
Fused Disc Sw	100%	2024	\$1,500	5		
	Other Observation, Extent	: Moderate, Area Affe	cted : 100%			
	Location: Electrical Roc	om .				
	Explanation : Main Servi	ice Switches Rated @ .	200 Amperes Each			
Switchgear / Switchboard						
Molded Case Bkrs	100%	2024	\$32,700	5	\$200	
Raceway						
Conduit	100%	2024	\$31,800	1		
Panelboards						
Molded Case Bkrs	25%	2032	* *	5	\$100	
Molded Case Bkrs	75%	2023	\$11,400	5	\$100	
Wiring						
Thermoplastic	100%	2034	* *	1		
Motor Controllers						
Locally Mounted	100%	2022	\$15,300	5	\$100	
Ground						
Grounding Devices						
Generic	100%	LIFE	* *	5	\$100	
Lighting						

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

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

Asset #: 13271

Electrical	Current Repair	Futu	re Replacement	М	aintenance	
System Component Type	% of Fail Date Estimated Cos Total (Years)	t Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting						
Interior Lighting	500/	2024	#27 000	10	#2 400	
Fluorescent	50%	2024	\$37,900	10	\$3,400	
	T-8 Lamps And Fixtures, Extent: Mod Location: Throughout The Building		a Affected : 100%			
Fluorescent	5%	2024	\$3,800	10	\$300	
	Other Observation, Extent : Moderate	, Area Affe	ected : 100%			
	Location: Basement					
	Explanation: Compact Fluorescent	Light Fixt	ures			
Fluorescent	45%	2024	\$34,200	10	\$3,100	
	T-12 Lamps And Fixtures, Extent: Mo	derate, Ar	ea Affected : 100%	;		
	Location : Throughout The Building					
Egress Lighting						
Emergency, Battery	50%	2029	* *	10	\$900	
Exit, Service	50%	2029	* *	1		
Exterior Lighting						
HID	100%	2024	\$28,600	10		
Alarm						
Security System						
Generic	100%	2024	\$22,900	1	\$2,800	
	Other Observation, Extent : Moderate	, Area Affe	ected : 100%			
	Location : Inside Only					
	Explanation : C C T V Surveillance	System An	d Intrusion Alarm	System		
Fire/Smoke Detection						
Generic	100%	2024	\$78,500	1-3	\$4,600	
	Other Observation, Extent : Moderate		ected : 100%			
	Location: Throughout The Building					
	Explanation : Smoke Detectors, Ala	rm Bells Ai	nd Manual Pull Sta	ıtion		

Mechanical	Current Repair	Future R	eplacement	Ma	aintenance	
System Component Type	% of Fail Date Estimated C Total (Years)	Cost Year Es FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ieating						
Energy Source						
Natural Gas	100%	2034	* *	1		
Conversion Equipment						
Hot Water Boiler	100%	2029	* *	1	\$3,700	
	Other Observation, Extent : Light,	Area Affected : 10	00%			
	Location: Basement Boiler Roon	ı				
	Explanation: 1 Unit					
Distribution						
Hot Wtr Piping/Pump	100%	2032	* *	4	\$600	
Terminal Devices						
Air Handler	20%	2024	\$20,000	1	\$900	
Convector/Radiator	80%	2029	* *	1	\$1,900	

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 F	Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning							
Energy Source							
Electricity	100%		2032	* *	1		
Conversion Equipment							
Reciprocating	100%		2024	\$60,300	1	\$3,500	
Compr/Chiller	D 22 D 61			1000/			
	R-22 Refrigerant, Ext	-	ffected: 1	100%			
	Location : Basemen	t					
Terminal Devices	1000/		2024	Φ 5 0.400			
Air Handler/Dir	100%		2024	\$79,400	1		
Expansion							
Heat Rejection Air Cooled Condenser	1000/		2024	¢14.200	2	\$5.200	
Unit Cooled Condenser	100%		2024	\$14,300	2	\$5,200	
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,200	
Exhaust Fans	10070		LIII		2-3	\$4,200	
Interior	100%		2024	\$25,300	2	\$200	
Plumbing	10070		2021	Ψ23,300		Ψ200	
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater							
Gas Fired	100%		2019	\$4,300	2	\$100	
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 Observation, E	xtent : Light, Area	Affected .	100%			
	Location: B-1						
	Explanation: One l	Init					

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

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : WASHINGTON IRVING BRANCH LIBRARY

Address : 360 IRVING AVE. @WOODBINE ST.

Borough : BROOKLYN Agency's Number : 61

Area Sq Ft : 9,285 Project Type : BROOKLYN PUBLIC LIBRARY

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

Areas Surveyed : Basement, Roof, Floors 1, Mez

Block : 3362 Lot : 32 BIN : 3076852

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$157,400	
Interior Architecture	\$37,300	\$13,300
Electrical	\$35,500	
Mechanical		\$329,400
Total	\$230,200	\$342,700
Importance Code A	\$157,400	
Importance Code B	\$35,500	\$342,700
Importance Code C	\$37,300	
Total	\$230,200	\$342,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,700	\$1,800		
Interior Architecture	\$25,000	\$900	\$200	\$500
Electrical	\$25,800	\$900	\$800	\$16,100
Mechanical	\$6,500	\$1,200	\$1,900	\$1,000
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$67,000	\$8,700	\$6,800	\$21,500
Importance Code A	\$6,200	\$2,200	\$500	\$500
Importance Code B	\$60,800	\$6,500	\$6,300	\$20,500
Importance Code C				\$500
Total	\$67,000	\$8,700	\$6,800	\$21,500



 $[\]label{lem:maintenance} \textit{Maintenance \$ are aggregated over a 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 WASHINGTON IRVING BRANCH LIBRARY

Asset #: 13272

rchitecture	Curr	ent Repair	Future R	eplacement	M	aintenance	
ystem Component Type	% of Fail I Total (Yea	Date Estimated Cost rs)	Year Es FY	timated Cost	Cycle (Yrs)	Estimated Cost	Priority
terior							
Exterior Walls	0.50/ 3.1	¢100.500	LIPP	* *	-	017 700	
Masonry: Brick	95% Nov	*,	LIFE		5	\$17,700	
	Location : Thre	Erod, Extent : Moderat	e, Area Ajjec	nea : 15%			
		on, Extent : Moderate, A	rea Affected	. 15%			
	Location : Mez		irea rijjeerea	. 1570			
Masonry: Limestone	5% Nov		LIFE	* *	5	\$700	
Masoniy. Limestone		N \$3,700 ling, Extent : Moderate			3	\$700	
	Location : From	=	,, 1110011195001	ca . 1370			
		Erod, Extent : Moderat	te. Area Affeo	ted : 15%			
	Location : Thre		, 33				
	Water Penetratio	n, Extent : Moderate, A	Area Affected	: 15%			
	Location: Wes	t Facade					
Windows							
Aluminum	100%		2040	* *	5	\$3,500	
Roof	1000/ 31	# 40, 000	LIDE	ماد ماد			
Slate	100% Nov	+ -)	LIFE	**			
	Location : Ove	c/Miss, Extent : Moder r Mezzanine	aie, Area Ajj	eciea : 50%			
		n, Extent : Moderate, A	rea Affected	. 20%			
		zanine, First Floor	irea rijjeeiea	. 2070			
terior							
Floors							
Cast in Place Concrete	10%		LIFE	* *	5	\$2,200	
Ceramic Tile	5%		2033	* *	5	\$500	
Vinyl Tile	70%		2032	* *	3	\$2,700	
	=	Evident, Extent : Light,	Area Affecte	d: 100%			
	Location : Firs	t Floor, 2012					
Vinyl Tile	15%		2024	\$13,300	3	\$600	
Interior Walls							
Ceramic Tile	5%		2027	\$25,600	5	\$900	
Masonry: Brick	5%	***	LIFE	* *	_	0.1 .100	
Plaster	25% Nov		LIFE	**	5	\$1,400	
	_	ling, Extent : Severe, A 'dren's Area, Mezzanine					
		n, Extent : Moderate, A zanine At Top Of Stair	ые <i>а А</i> ујестеа	. 1570			
		zanine Ai 10p Oj Siair on, Extent : Severe, Are	a Affected · 1	75%			
				5/0			
	LOCALION : C nii	aren's Area Ana Mezzo					
		'dren's Area And Mezza Infinished Construction		ently Covered	With Plas	rtic	

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

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

BROOKLYN PUBLIC LIBRARY - 038 WASHINGTON IRVING BRANCH LIBRARY

Asset #: 13272

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								
Ceilings								
Exposed Concrete	10%			LIFE	* *	5	\$200	
Plaster	90%	Now	\$25,000	LIFE	* *	5	\$5,900	
	Cracking/C	Crumbling,	Extent : Severe, A	rea Affec	ted : 20%			
	Location	: Mezzanir	ıe					
	Water Pene	etration, Ex	xtent : Severe, Ared	ı Affected	l : 10%			
	Location	: First Flo	or, Mezzanine					

Electrical	Current Rep	oair	Futur	e Replacement	М	aintenance	
System Component Type	% of Fail Date E Total (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts							
Service Equipment							
Fused Disc Sw	100%		2024	\$1,500	5		
	Other Observation, Exte		rea Affe	cted : 100%			
	Location : Electrical F						
	Explanation : One 200	Amperes Main I	Disconn	ect Switch			
Switchgear / Switchboard							
Molded Case Bkrs	100%		2024	\$32,700	5	\$200	
Raceway	222/		•••	***			
Conduit	90%		2024	\$28,600	1		
Conduit	10%		2044	* *	1		
Panelboards	5 0/		2022	4000	-		
Fused Disc Sw	5%		2023	\$800	5	Φ 2 00	
Molded Case Bkrs	70%		2023	\$10,600 * *	5	\$200	
Molded Case Bkrs	25%		2049	* *	5	\$100	
Wiring	500/ 2.4	Φ14.100	2040	* *	1		
Braided Cloth	50% 2-4	\$14,100	2049		1		
	Insulation Aged, Extent Location : Main Floor			a: 10%			
		Ana Opper Leve		****			
Thermoplastic	40%		2024	\$11,200	1		
Thermoplastic	10%		2044	* *	1		
Motor Controllers	1000/		2022	017.200	-	#100	
Locally Mounted	100%		2022	\$15,300	5	\$100	
Ground							
Grounding Devices	1000/ 2.4	ΦΩ (ΩΩ	LIEE	* *	-	ф100	
Generic	100% 2-4	\$9,600	LIFE		5	\$100	
	Other Observation, Exte		геа Ајје	стеа : 100%			
	Location: Water Main						
т 1.12	Explanation : Corrode	a					
Lighting Interior Lighting							
Fluorescent	100%		2034	* *	10	\$8,500	
Puorescent	Other Observation, Exte	ent · Moderate A			10	\$6,500	
	Location: Throughout		. cu 11jje	c.ca . 100/0			
	Explanation: T-8 Lam						
	Explanation . 1-0 Earl	P 5					

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

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

BROOKLYN PUBLIC LIBRARY - 038 WASHINGTON IRVING BRANCH LIBRARY

Asset #: 13272

Electrical		Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Egress Lighting								
Emergency, Battery	50%			2029	* *	10	\$1,100	
Exit, Service	50%	1		2029	* *	1		
Exterior Lighting	1000/			• • • •		4.0		
HID	100%	1		2019	\$35,500	10		
Alarm								
Security System	200/							
No Component Generic	30% 70%			2032	* *	1	\$2.400	
	/0%			2032		1	\$2,400	
Fire/Smoke Detection Generic	100%			2032	* *	1.2	¢5 700	
Generic	100%	·		2032		1-3	\$5,700	
Mechanical		Current	Repair	Futur	e Replacement	М	aintenance	
System	0/ -£		Estimated Cost					D
Component	% of Total	(Years)	Estimated Cost	Year FY	Estimated Cost	(Yrs)	Estimated Cost	Priority
Type	Iotai	(Tears)		1.1		(113)		
Heating								
Energy Source								
Natural Gas	100%			2044	* *	1		
			Extent : Moderate, A	Area Affe	cted : 5%			
		n : Basemer						
	Explana	tion : Forn	ier Oil Tank Still In	Place				
Conversion Equipment								
Hot Water Boiler	100%			2037	* *	1	\$4,600	
			Extent : Light, Area	Affected	: 100%			
			nt Boiler Room					
	Explana	tion: 1 Un	ıt					
Distribution	1000/			2040	* *	4	¢700	
Hot Wtr Piping/Pump	100%	1		2040	* *	4	\$700	
Terminal Devices	700/			2020	* *	1	¢4.000	
Air Handler	70% 30%			2029	* *	1	\$4,000	
Convector/Radiator	30%			2037		1	\$900	
Air Conditioning								
Energy Source Electricity	100%			2040	* *	1		
Conversion Equipment	10070	'		2040		1		
Interior Pkg Unit -	100%			2025	\$329,400	2	\$600	
Cooling	10070			2023	\$529,400	2	\$000	
Comig	R-22 Refr	igerant. Ex	tent : Light, Area A	ffected :	100%			
			ıt Equipment Room		. = , =			
			Extent : Light, Area		: 100%			
			ıt Equipment Room					
		tion : 3 Un						
Ventilation	T							
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$5,200	
Exhaust Fans							-	

2029

\$300

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

Estimates are rounded to the nearest hundred dollars.

Interior

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.

BROOKLYN PUBLIC LIBRARY - 038 WASHINGTON IRVING BRANCH LIBRARY

Mechanical	Current Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Estin Total (Years)	nated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
H/C Water Piping						
Brass/Copper	100%	2034	* *	1		
Water Heater						
Gas Fired	100%	2019	\$5,400	2	\$100	
Sanitary Piping						
Cast Iron	100%	LIFE	* *	1		
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent .	: Light, Area Affected	: 100%			
	<i>Location</i> : <i>B</i> , <i>1</i> , <i>2</i>					
	Explanation: 1 Unit					

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

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 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$805,300	\$135,800
Interior Architecture	\$44,900	
Electrical		\$146,000
Mechanical		\$477,600
Total	\$850,200	\$759,400
Importance Code A	\$805,300	\$319,200
Importance Code B	\$44,900	\$440,200
Total	\$850.200	\$750.400

Total	\$850,200	\$759,400

Total	\$49,700	\$57,800	\$15,000	\$6,600
Importance Code C	\$23,700			
Importance Code B	\$7,700	\$42,400	\$13,900	\$5,500
Importance Code A	\$18,300	\$15,400	\$1,100	\$1,100
Total	\$49,700	\$57,800	\$15,000	\$6,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Mechanical	\$3,300	\$8,500	\$5,700	\$2,100
Electrical	\$600	\$24,900	\$800	\$600
Interior Architecture	\$24,500	\$6,400	\$4,500	
Exterior Architecture	\$17,200	\$14,000		
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022



Maintenance \$ are aggregated over a ten-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

chitecture	Current Repair	М			
stem Component Type	% of Fail Date Estimated Cost Total (Years)	Year Estimated Cost FY	Cycle (Yrs)	Estimated Cost	Priority
erior					
Exterior Walls					
Copper/Terne	3% Now \$17,200	2069 * *			
	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				
M D'1				ΦΩΩ 1ΩΩ	
Masonry: Brick	82% Now \$297,300	LIFE	5	\$89,100	
	Broken/Missing Elements, Extent: Mod Location: Throughout	eraie, Area Ajjeciea . 10%			
	Int Mortar Miss/Erod, Extent: Moderate	te Area Affected : 30%			
	Location: Throughout	ic, mea ny cerea . 5070			
	Sidewalk Shed in Use, Extent : Light, Ar	rea Affected : 10%			
	Location : South Western Facade	JJ * * * * * * * * * * * * * * * * * *			
	Staining/Discoloring, Extent: Moderate	e, Area Affected : 50%			
	Location: Throughout				
Masonry: Limestone	15% Now \$218,600	LIFE **	5	\$12,200	
•	Int Mortar Miss/Erod, Extent : Moderat	te, Area Affected : 50%			
	Location: Cornice, Horizontal Bands	,			
Windows					
Wood	100% Now \$289,300	2050 **	5	\$46,600	
	Air Infiltration, Extent : Severe, Area Af	-			
	Location: Throughout - 2nd Floor No	=			
	Ctrwt/Balnc Not Funct, Extent: Modera Location: Throughout	ate, Area Affectea : 50%			
	Deteriorated Finish, Extent: Moderate,	Area Affected : 50%			
	Location: Throughout	, mea nyjeciea . 5070			
	Thermally Inefficient, Extent: Moderate	e. Area Affected : 100%			
	Location: Throughout	JJ			
	Split/Cracked, Extent : Moderate, Area	Affected : 35%			
	Location: Throughout				
Parapets					
Masonry: Brick	30%	LIFE **	5	\$2,000	
	Recent Repair Evident, Extent: Light, A	Area Affected : 100%			
	Location: Throughout				
Masonry: Brick Cavity	60%	LIFE **	5	\$4,000	
	Recent Repair Evident, Extent: Light, A	Area Affected : 100%			
	Location: Throughout				
Masonry: Limestone	10%	LIFE **	5	\$800	
	Recent Repair Evident, Extent: Light, A	Area Affected : 100%			
	Location : Throughout				

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

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

Asset #: 4201

Architecture		Current Rep	air	Futur	e Replacement	М	aintenance	
System Component Type	% of Total	Fail Date Es (Years)	stimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
xterior								
Roof	2.50/			20.60	* *	10	#14.000	
Copper/Terne	25%		F	2060		10	\$14,000	
	-		Extent : Light, Facing Circular		ected : 100%			
Modified Bitumen	75%			2033	* *	10	\$16,800	
		olace Evident, : Throughout	Extent: Light,	Area Affe	ected : 100%			
nterior								
Floors	100/						4.7.0 00	
Carpet	10%			2024	\$48,500	3	\$5,200	
Ceramic Tile	5%			2034	* *	5	\$1,700	
Vinyl Tile	65%			2030	* *	3	\$8,400	
Wood	20%			2040	* *	5	\$12,900	
Interior Walls	70/			2024	* *	-	Φ2 000	
Ceramic Tile	5%	3.7	#22 200	2034	* *	5	\$2,900	
Plaster	85%	Now	\$22,200	LIFE		5	\$15,000	
	_	rumbling, Ex : Throughout	tent : Moderate	, Area Aj	gectea : 10%			
			t : Moderate, Ai	ea Affec	ted : 35%			
					nd Storage Room			
Wood	10%			LIFE	* *	5	\$23,600	
Ceilings								
AcousTileSusp.Lay-In	10%			2038	* *	5	\$3,400	
Plaster	90%	Now	\$44,900	LIFE	* *	5	\$19,300	
	Cracking/C	Crumbling, Ex	tent : Moderate	, Area Aj	ffected : 10%			
	Location	: Throughout	2nd Floor, Stai	rwells, S	torage And Electri	cal Roon	ıs	
	Patching E	vident, Exten	t : Moderate, Ai	ea Affec	ted : 20%			
	Location	: Throughout	2nd Floor, Stai	rwells, S	torage And Electri	cal Roon	ıs	

Electrical	Current Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Cost Total (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Inder 600 Volts						
Service Equipment						
Molded Case Bkrs	100%	2025	\$2,800	5	\$600	
	Other Observation, Extent : Moderate, A	Area Affe	cted : 100%			
	Location: Electrical Room					
	Explanation : 1- Electrical Service Ra	ted @ 1,2	00 Amperes			
Switchgear / Switchboard						
Fused Disc Sw	30%	2045	* *	5		
Molded Case Bkrs	70%	2025	\$25,000	5	\$400	
Raceway						
Conduit	90%	2035	* *	1		
Conduit	10%	2045	* *	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 #: 4201

Current Repair	Future l	Future Replacement Maintenance				
		Estimated Cost		Estimated Cost	Priority	
()			()			
250/	2024	ec 200	-	¢200		
		·				
25%	2033	7- 4-	3	\$200		
009/	2025	* *	1			
		* *				
1076	2043		1			
100%	2023	\$50,100	5	\$200		
10078	2023	\$30,100	3	\$200		
100%	I IEE	* *	5	\$300		
		ed · 100%	3	\$300		
	Houeraic, Hrea Hyperic					
Explanation : water main						
70%	2030	* *	10	\$14 800		
		ed : 100%	10	Ψ11,000		
	,					
	2030	* *	10	\$2.100		
			10	\$2,100		
	моиетине, Атей Ајјесн	zu . 10070				
	orescent Light Firture					
			10	£4.200		
			10	\$4,200		
	моаетаге, Атеа Ајјест	ea : 100%				
Explanation : 1-3 Lamps						
50%	2020	* *	10	ድን ያሰብ		
		* *		\$4,000		
JU / 0	2030	· •	1			
100%	2025	\$05,000	10	\$100		
100/0	2023	\$33,300	10	\$100		
80%						
	2030	* *	1	\$1.700		
			1	φ1,/00		
	ноистию, птеи пурси	.u . 100/0				
·	illance Camera System	And Intrusion A	larm Sv	stem		
Explanation . CCI v Survei	mance Camera System	i i iiu iiii usioli A	аатт зуг	nem		
70%						
	2030	* *	1.3	\$4.200		
		ed · 100%	1-3	Φ+,∠∪∪		
Sinci Observation, Extent . I	поистине, птей пурест	u . 100/0				
Location: Throughout The	Ruilding					
	% of Fail Date Estim Total (Years) 25% 50% 25% 90% 100% 100% 100% 100% Other Observation, Extent: Location: Basement Explanation: Water Main 70% Other Observation, Extent: Location: Throughout Explanation: T-8 Lamps 10% Other Observation, Extent: Location: Basement Explanation: Compact Flue 20% Other Observation, Extent: Location: Classrooms Explanation: T-5 Lamps 50% 50% 100% 80% 20% Other Observation, Extent: Location: Hallways Explanation: CCTV Survey 70% 30%	Year Fail Date Estimated Cost Year FY	Sof Fail Date Estimated Cost FY Estimated Cost FY	Work Fail Date Estimated Cost FY Estimated Cost Cycle (Yrs)	Section Fail Date Estimated Cost FY Estimated Cost Cycle Cycle	

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

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

Asset #: 4201

Mechanical	Current	Repair	Future Replacement Maintenance		aintenance		
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%		2035	* *	1		
Conversion Equipment						*	
Hot Water Boiler	100%	T	2023	\$183,400	1	\$11,400	
	Other Observation,	_	Affected	: 100%			
	Location : Boiler I						
D' & Tank' an	Explanation: 1 Bo	oiler					
Distribution	1000/		2022	* *	4	¢1 100	
Hot Wtr Piping/Pump	100%		2033		4	\$1,100	
Terminal Devices	1000/		2020	* *	1	\$7.400	
Convector/Radiator	100%		2030		1	\$7,400	
Air Conditioning							
Energy Source Electricity	100%		2033	* *	1		
Conversion Equipment	10070		2033		1		
Reciprocating	25%		2025	\$50,500	1	\$2,700	
Compr/Chiller	2370		2023	\$30,300	1	\$2,700	
Exterior Pkg Unit -	70%		2025	\$134,900	2	\$1,000	
Cooling	7070		2023	\$134,900	2	\$1,000	
Cooling	Other Observation,	Extent : Light Area	Affected	: 100%			
	Location: Through	_	1,1,500,000	. 100,0			
	Explanation : Refr						
Window/Wall Unit	5%		2020	\$2,500	1		
Terminal Devices							
Air Handler/Dir	25%		2025	\$66,500	1		
Expansion							
No Component	75%						
Heat Rejection							
Air Cooled Condenser	25%		2025	\$12,000	2	\$4,000	
Unit							
No Component	75%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$12,800	
Exhaust Fans							
Interior	50%		2025	\$42,300	2	\$400	
Roof	50%		2025	\$19,800	2	\$400	
Plumbing							
H/C Water Piping	1000/		2025	ata -t-			
Brass/Copper	100%		2035	* *	1		
Water Heater	1000/		2022	#14.500	2	4200	
Gas Fired	100%		2023	\$14,500	2	\$300	
Sanitary Piping	10007			ala .			
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	1000/			ata -t-			
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 WILLIAMSBURGH BRANCH LIBRARY

Mechanical	Current Repair	Future Rep	olacement	Ma	aintenance	
System Component Type	% of Fail Date Estimated (Total (Years)	Cost Year Estin	mated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing						
Sump Pump(s)						
Non-Submersible	100%	2020	\$3,600	4	\$700	
Fixtures						
Generic	100%					
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			
	Other Observation, Extent : Light,	Area Affected: 100	%			
	<i>Location</i> : <i>B</i> , <i>E</i> , <i>1</i> , 2					
	Explanation: One Unit					

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

Print Date: 21-Sep-2017 BROOKLYN PUBLIC LIBRARY - FY 2018

Asset Name : WINDSOR TERRACE BRANCH LIBRARY
Address : 160 E. 5TH ST. @FORT HAMILTON PARKWAY

Borough : BROOKLYN Agency's Number : 77

Area Sq Ft : 7,100 Project Type : BROOKLYN PUBLIC LIBRARY

Date of Survey : 05-Mar-2013 Landmark Status : NONE

Areas Surveyed : Roof, Floors 1

Block : 5318 Lot : 10 BIN : 3124000

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$40,500	
Interior Architecture		\$81,700
Electrical	\$74,500	\$64,800
Mechanical	\$100,300	\$75,100
Total	\$215,300	\$221,600
Importance Code A	\$40,500	
Importance Code B	\$174,800	\$221,600
Total	\$215,300	\$221,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,900			
Interior Architecture	\$35,400		\$1,200	\$5,400
Electrical	\$49,400	\$700	\$700	\$900
Mechanical	\$16,800	\$1,600	\$1,100	\$5,700
Total	\$113,600	\$2,300	\$2,900	\$12,000
Importance Code A	\$28,700	\$400	\$400	\$400
Importance Code B	\$54,400	\$1,900	\$2,600	\$11,700
Importance Code C	\$30,500			
Total	\$113,600	\$2,300	\$2,900	\$12,000



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

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

BROOKLYN PUBLIC LIBRARY - 038 WINDSOR TERRACE BRANCH LIBRARY

Asset #: 13273

Architecture	Current Repa	nir	Future Replacement		Maintenance			
System Component Type	% of Fail Date Est Total (Years)	imated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior								
Exterior Walls Cast in Place Concrete	5% 0-2 Water Penetration, Extent Location: Office Windo		LIFE rea Affec	* * ted : 10%	5	\$3,900		
Masonry: Brick	85% Now Diagonal Cracks, Extent Location: Settling Crac Other Observation, Exten	\$40,500 Severe, Area ks On South S	ide		5	\$13,300		
	Location : Throughout Explanation : Building I Below	's Above A Sub	way Ease	ment. Building Sh	akes Whe	en Trains Pass		
Pre-Cast Concrete	10%		LIFE	* *	5	\$5,100		
Windows Glass Block Steel	95% 5% 0-2	\$200	LIFE 2040	**	5 5	\$500 \$200		
	Water Penetration, Extens Location: Back Office	: Moaerate, A	rea Affec	tea : 15%				
Roof	Edetition : Back Office							
Single Ply Membrane	100% Now Patching Evident, Extent Location: Various Loca Water Penetration, Extent Location: Over Mechan	tions Through : Moderate, A	out					
nterior								
Floors								
Cast in Place Concrete	5% 5% Now	Φ 7 .000	LIFE	* *	5 5	\$1,200		
Terrazzo	5% Now Uneven Substrate, Extent Location: Main Entran Other Observation, Exten Location: Main Entran Explanation: Settlemen	ce t : Severe, Are ce			3	\$400		
Vinyl Tile	90%		2024	\$81,700	3	\$3,600		
Interior Walls Concrete Masonry Unit	40% Now Diagonal Cracks, Extent: Location: Electrical / S Vertical Cracks, Extent: Location: Let Electrical	torage Room, Severe, Area A	Back Offi ffected : 2	ce 2%	5	\$1,800		
	Location: 1st Floor, Ele Other Observation, Exten Location: Throughout Explanation: Building S	t : Light, Area	Affected	: 30%	sing Cra	cks Within		
Gypsum Board	Interior Walls 60%		LIFE	* *	5	\$4,100		
Ceilings	0070		LII.E		5	φ+,100		
AcousTileConcealSpLn AcousTileSusp.Lay-In	10% 90%		2037 2037	* *	5 5	\$1,300 \$9,500		

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

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 WINDSOR TERRACE BRANCH LIBRARY

Asset #: 13273

Electrical		Current R	epair	Future Replacement Maint		aintenance	tenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2034	* *	5	\$200	
			xtent : Moderate, A	Area Affe	cted : 100%			
		: Electrica						
	Explanat	ion : One 3	50 Amperes Main	Disconn	ect Switch			
Switchgear / Switchboard	1000/			2024	* *	-	#200	
Molded Case Bkrs	100%			2034	* *	5	\$200	
Raceway	000/			2024	* *			
Conduit	90%			2034		1		
Conduit	10%			2024	\$3,200	1		
Panelboards	100/			2022	* *	_		
Fused Disc Sw	10%			2032	* *	5	#200	
Molded Case Bkrs	90%			2032	7. 7.	5	\$200	
Wiring	700/	2.4	¢10.700	2040	* *	1		
Braided Cloth	70%	2-4	\$19,700	2049		1		
		: Througho	nt : Moderate, Are	а Ајјесте	a: 100%			
		. Inrought	·ui					
Thermoplastic	30%			2034	* *	1		
Motor Controllers	1000/			• • • •	di di	_		
Locally Mounted	100%			2029	* *	5		
Ground								
Grounding Devices	1000/			LIPP	* *	_	#100	
Generic	100%			LIFE	T T	5	\$100	
Lighting								
Interior Lighting Fluorescent	90%			2024	\$64,900	10	\$5,000	
Fluorescent		ervation F	xtent : Moderate, A		\$64,800	10	\$5,900	
			out The Building	пен Аује	cieu . 10070			
		. 11110ugne ion : T-12 1						
Incandescent	10%	1011 . 1-12 1	мпрз	2019	\$7,200			
	1070			2019	\$7,200	2		
Egress Lighting Emergency, Battery	50%			2024	\$4,900	10	\$900	
Exit, Service	50%			2024	\$500	10	\$900	
	3070			2024	\$300	1		
Exterior Lighting HID	70%			2024	\$19,000	10		
Incandescent	30%			2024	\$6,900	2		
Alarm	3070			∠UZ 4	\$0,500			
Security System								
Generic	100%	Now	\$21,800	2034	* *	1	\$2,400	
Generie			tent : Severe, Area		1: 100%	1	Ψ2,π00	
		: Througho			100/0			
Fire/Smoke Detection								
Generic	100%			2019	\$74,500	1-3	\$4,500	
Generic	100/0			2017	ψ/٦,500	1 -7	ψτ,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.

BROOKLYN PUBLIC LIBRARY - 038 WINDSOR TERRACE BRANCH LIBRARY

Asset #: 13273

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	1000/		2024				
Natural Gas	100%		2034	* *	1		
Conversion Equipment	1000/ Now	0000	2010	\$15,000	1	\$2.200	
Furnace	100% Now Not in Service, Exten Location: The Uni Other Observation, E Location: 1st Floo Explanation: 4 Un	t For Main Entranc Extent : Light, Area r Equipment Room	e Affected		1	\$3,200	
Air Conditioning							
Energy Source							
Electricity	100%		2032	* *	1		
Conversion Equipment Int Pkg Unit - Heating/Cooling	70%		2022	\$100,300	2	\$300	
	R-22 Refrigerant, Extent : Light, Area Affected : 70% Location : Equipment Room						
Reciprocating Compr/Chiller	30%		2024	\$17,200	1	\$1,000	
	R-22 Refrigerant, Ex Location : Roof	tent : Light, Area A	ffected :	30%			
Terminal Devices							
Fan Coil - 2 Pipe	30%		2024	\$38,500	1	\$700	
No Component	70%						
Heat Rejection	1000/		2024	¢27,700	2	¢4.000	
Dry Cooler Ventilation	100%		2024	\$36,600	2	\$4,900	
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$4,000	
Exhaust Fans	1070					ψ 1,000	
Interior	80%		2024	\$19,200	2	\$200	
Roof	20%		2024	\$2,200	2		
Plumbing				-			
H/C Water Piping							
Brass/Copper	100%		2034	* *	1		
Water Heater	4000		• • • •			***	
Gas Fired	100%		2022	\$4,100	2	\$100	
Sanitary Piping Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping	1070						
Cast Iron	100%		LIFE	* *	1		
Fixtures							
Generic	100%						

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

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