### Print Date : 05-Sep-2013 QUEENS PUBLIC LIBRARY - FY 2014

Asset Name	: CAMBRIA HEIGHTS COMMUNITY	LIBRARY	
Address	: 218-13 LINDEN BOULEVARD		
Borough	: QUEENS	Agency's Number	: CM
Program / Asset #	: QPL0004.000 / 14110	Yr Built/Renovated	: 2006 /
Area Sq Ft	: 18,800	Project Type	: QUEENS PUBLIC LIBRARY
Date of Survey	: 29-Jul-2013	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1		
Block	: 11319 Lot : 1	BIN	: 4855031

### CAPITAL

Total

Priority

Total

EXPENSE	FY 2015	FY 2016	FY 2017	FY 2018
Exterior Architecture	\$17,200	\$2,700		
Interior Architecture	\$22,600	\$17,300	\$1,800	
Electrical	\$1,700	\$1,700	\$1,700	\$1,400
Mechanical	\$13,500	\$2,300	\$7,400	\$2,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$58,900	\$27,900	\$14,900	\$8,000
Priority A	\$17,200	\$2,700		
Priority B	\$21,500	\$18,800	\$13,100	\$8,000
Priority C	\$20,300	\$6,300	\$1,800	
Total	\$58,900	\$27,900	\$14,900	\$8,000



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

#### Asset # : 14110

rchitecture		Current F	Repair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit Coc
aterior	•							
Exterior Walls								
Masonry: Brick	45%			LIFE	* *	5	\$13,100	А
Metal Panel	5%			2050	* *	5-10	\$5,000	Α
Pre-Cast Concrete	10%			LIFE	* *	5	\$9,500	Α
Window Wall	40%			2054	* *	5	\$21,800	А
Windows	1000/			0046	ste ste	-	<b>*==</b> 00	
Aluminum	100%			2046	* *	5	\$5,500	Α
Parapets	<b>5</b> 0/			2050	ste ste	-	¢100	
Metal Panel	5%			2050	* *	5	\$100	A
Pre-Cast Concrete	45%			LIFE	* *	5	\$2,700	A
No Component	50%							D
Roof Modified Bitumen	10% Miss (D.s.	Now	\$3,100	2032	**			А
	Locatior Water Per	a : Section ( netration, E	ings, Extent : Mod Over Northeast Cor xtent : Moderate, A rtheast Corner In C	ner .rea Affe	cted : 10%			
Madified Differences		. 0101110	incusi corner in c		* *	10	\$10,200	•
Modified Bitumen	90%			2032	• •	10	\$19,300	А
terior Floors								
Carpet	55%			2025	* *	3	\$19,000	С
Cast in Place Concrete	10%			LIFE	* *	5	\$10,100	C
Ceramic Tile	10% 5%			2037	* *	5	\$1,200	C
Vinyl Tile	30%			2037	* *	3	\$1,200	C
Interior Walls	50%			2052		5	\$2,000	C
Cast in Place Concrete	10%			LIFE	* *	10	\$3,800	С
Ceramic Tile	5%			2037	* *	5	\$800	C
Concrete Masonry Unit	25%			LIFE	* *	5	\$3,000	C
Gypsum Board	23% 60%			LIFE	* *	5-10	\$15,400	C
Ceilings	0070			LIL		5-10	\$15,400	C
AcousTileSusp.Lay-In	95% Staining/I	Discoloring.	Extent : Moderate	2041 Area A	* * ffected : 5%	5	\$21,900	В
	-	: Basemen		,				
Exposed Struc: Steel	5%			LIFE	* *	10	\$2,300	В
lectrical		Current F	Repair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit Coo
nder 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	* *	5	\$100	В
	Location	a : Electrica						
<u></u>	Explana	tıon : Main	Service Switch Ra	ed @ 12	00 Amperes			
Switchgear / Switchboard Fused Disc Sw	100%			2050	* *	5	\$100	В

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#### Asset # : 14110

Electrical		Current I	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
nder 600 Volts								
Raceway								
Conduit	100%			2050	* *	1		В
Panelboards								
Fused Disc Sw	30%			2046	* *	5	\$100	В
Molded Case Bkrs	70%			2046	* *	5	\$300	В
Wiring Thermoplastic	100%			2050	* *	1		В
Motor Controllers								
Locally Mounted	100%			2041	* *	5	\$100	В
round								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$500	В
ghting								
Interior Lighting						4.0	<b>* ( *</b> * * *	-
Fluorescent	30%			2032	* *	10	\$4,200	В
			Moderate, Area Affe	ected : 10	00%			
		1 : Bookcas	e Section					
Fluorescent	30%			2032	* *	10	\$4,200	В
	-	s, Extent : 1 1 : Basemer	Moderate, Area Affe nt	ected : 10	00%			
Fluorescent	40%			2032	* *	10	\$5,600	В
	Other Obs	ervation, E	Extent : Moderate, A	Area Affe	cted : 100%			
	Location	a : 1st Floo	r					
	Explana	tion : Com	pact Fluorescent La	mps				
Egress Lighting								
Emergency, Battery	50%			2032	* *	10	\$1,900	В
Exit, LED	50%			2059	* *	1		В
Exterior Lighting								
HID	100%			2032	* *	10		В
arm								
Security System								
Generic	100%			2032	* *	1	\$5,800	В
			Extent : Moderate, A	Area Affe	cted : 100%			
		-	out The Building					
	Explana	tion : C C '	TV Surveillance C	ameras				
Fire/Smoke Detection								
Generic	100%			2032	* *	1-3	\$9,500	В
			Extent : Moderate, A	Area Affe	cted : 100%			
		-	out The Building					
	Explana	tıon : Strob	e Lights, Manual P	ull Statio	on And Smoke Det	ector		
lechanical		Current F	Repair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit Cod

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.

#### Asset # : 14110

			set # : 14	-			<b>1</b> -:	
Mechanical	Current Repair Future Repla			e Replacement	Replacement Maintenance			
System Component Type	% of Total	Fail Date Estin (Years)	nated Cost	Year FY	Estimated Cos	t Cycle (Yrs)	Estimated Cost	Priority Cod
Ieating								
Energy Source								
Natural Gas	100%			2050	*	* 1		В
Conversion Equipment								_
Hot Water Boiler	100%			2041	*	* 1	\$7,600	В
		ervation, Extent	-	Affected	: 100%			
		: Basement Boil	er Room					
	Explana	tion : 1 Unit						
Distribution	1000/			2046	*	* 1	0000	р
Hot Wtr Piping/Pump	100%			2046	*	* 4	\$800	В
Terminal Devices Air Handler	0.00/			2022	*	* 1	¢9, (00	р
	90% 10%			2032 2037	*	1	\$8,600 \$500	B B
Convector/Radiator	10%			2037		* 1	\$500	В
Air Conditioning								
Energy Source	1000/			2046	*	* 1		р
Electricity	100%			2046		* 1		В
Conversion Equipment	1000/			2025	*	* 0	¢1.000	р
Int Pkg Unit - Cooling	100%			2025		* 2	\$1,000	В
Heat Rejection	1000/			2020	*	* 0	¢10.700	р
Remote Air Cond	100%			2029	•	* 2	\$10,700	В
Distribution								
Distribution Ductwork/Diffusers	100%			LIFE	*	* 2-5	\$13,600	В
Exhaust Fans	10070			LIL		2-5	\$15,000	D
Interior	70%			2029	*	* 2	\$300	В
Roof	30%			2029	*		\$100	B
Plumbing	5070			2027		2	φ100	D
H/C Water Piping								
Brass/Copper	100%			2050	*	* 1		В
Water Heater	10070			2000		1		D
Gas Fired	100%			2022	\$4,10	0 2	\$200	В
Sanitary Piping	100/0			2022	\$1,10		¢200	D
Cast Iron	100%	Now	\$1,900	LIFE	*	* 1		В
Cust non		oning, Extent : M			1:5%	1		D
		: Vent Piping No						
Storm Drain Piping		1 0		1 2				
Cast Iron	100%			LIFE	*	* 1		В
Sump Pump(s)	10070			211 1		1		<u>u</u>
Rigid Piping	100%			2029	*	* 4	\$1,300	В
Sewage Ejector(s)	10070			2027		т	ψ1,500	U
Electric	100%			2029	*	* 4	\$1,300	В
Backflow Preventer	100%			2029		4	φ1,500	D
Generic	100%			2032	*	* 1	\$1,000	В
Fixtures	100%			2032	· · · · · · · · · · · · · · · · · · ·	1	φ1,000	Б
Generic	100%							В
Vertical Transport	100/0							Ъ

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.

#### Asset # : 14110

Mechanical	Current Repair	Future F	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	st Year E FY	estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			С
	Other Observation, Extent : Light, Ar	rea Affected : 1	100%			
	Location : B-1					
	Explanation : One Unit					
Fire Suppression						
Standpipe						
Generic	100%	2050	* *	1-5	\$7,800	В
Sprinkler						
No Component	70%					D
Generic	30%	2050	* *	1-2	\$1,300	В

 

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

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

#### **QUEENS PUBLIC LIBRARY - FY 2014** Print Date: 05-Sep-2013

Asset Name	: FLUSHING BRANCH LIBRARY									
Address	: 41-17 MAIN STREET @ KISSENA BL	-17 MAIN STREET @ KISSENA BLVD.								
Borough	: QUEENS	Agency's Number	: F							
Program / Asset #	: QPL0002.000 / 4200	Yr Built/Renovated	: 1998 /							
Area Sq Ft	: 58,353	Project Type	: QUEENS PUBLIC LIBRARY							
Date of Survey	: 17-May-2010	Landmark Status	: NONE							
Areas Surveyed	: Basement, Roof, Floors 1,1M,2,3									
Block	: 5043 Lot : 11	BIN	: 4114282							

CAPITAL	FY 2015 - 2018	FY 2019 - 2024
Exterior Architecture	\$36,200	\$180,800
Interior Architecture		\$160,800
Electrical	\$42,900	
Mechanical		\$157,800
Total	\$79,100	\$499,400
Priority A	\$36,200	\$180,800
Priority B	\$42,900	\$318,500
Total	\$79,100	\$499,400

EXPENSE	FY 2015	FY 2016	FY 2017	FY 2018
Exterior Architecture	\$10,400	\$5,800	\$9,100	
Interior Architecture	\$6,200		\$12,500	
Electrical	\$6,200	\$12,500	\$9,400	\$6,200
Mechanical	\$15,000	\$23,800	\$20,900	\$24,700
Elevators/Escalators	\$7,900	\$7,900	\$7,900	\$7,900
Total	\$45,700	\$50,100	\$59,700	\$38,800
Priority A	\$10,400	\$5,800	\$9,100	
Priority B	\$31,500	\$44,200	\$38,200	\$38,800
Priority C	\$3,800		\$12,500	
Total	\$45,700	\$50,100	\$59,700	\$38,800



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### Asset # : 4200

Architecture		Current F	Repair	Futur	e Replacement	M	aintenance	
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Cod
xterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	* *	5	\$7,600	А
Metal/Glass Curt Wall	48%			LIFE	* *	5	\$34,300	А
Metal Coiling Doors	3%			2034	* *	5	\$3,600	А
Granite Panels	27%			LIFE	* *	5	\$7,700	А
Window Wall	2%			2051	* *	5	\$2,900	А
		place Evide 1 : Front De	ent, Extent : Light, . pors	Area Affe	ected : 100%			
Windows								
Aluminum	98%			2037	* *	5	\$18,100	А
Metal Louvers	2%			2030	* *	10	\$2,300	Α
Parapets						_	<b>*</b> •••	
Masonry: Brick	5%			LIFE	* *	5	\$200	A
Metal/Glass Curt Wall	50%			2041	* *	5	\$8,800	A
Metal Rail	35%		<b>**</b> • • • •	2034	* *	5-10	\$28,700	A
Granite Panels	10%		\$3,000 l, Extent : Moderat	LIFE	**	5	\$500	Α
-	Caulking	1 : Coping Deteriorate 1 : Coping	d, Extent : Modera	te, Area	Affected : 50%			
Roof	0.00/	N	¢26,200	2021	¢100.000			
Built-Up (BUR)			\$36,200 ings, Extent : Mod eads	2021 erate, Ar	\$180,800 ea Affected : 25%			A
Plaza Roof: Stone Panels	s 8%	Now	\$7,400	2041	* *			Α
	Location Other Obs Location	n : Over Co servation, E n : Steps Ov	xtent : Moderate, A nference Room A Extent : Moderate, A ver Conference Roc riotrated Joints	Area Affe				
Skylight, Plastic	2%			2034	* *	1		А
terior								
Floors								
Carpet	30%			2020	\$127,900	3	\$32,200	С
	10%			LIFE	* *	5	\$15,600	С
Cast in Place Concrete				2030	* *	5	\$3,600	С
Ceramic Tile	5%			2050			. ,	
	5% 30%			LIFE	* *	5	\$16,100	С
Ceramic Tile Granite Panels Vinyl Tile	30% 20%			LIFE 2026	* *	3	\$16,100 \$5,400	C C
Ceramic Tile Granite Panels Vinyl Tile Wood	30%			LIFE			\$16,100	С
Ceramic Tile Granite Panels Vinyl Tile Wood Interior Walls	30% 20% 5%			LIFE 2026 2049	* * * *	3 5	\$16,100 \$5,400 \$6,700	C C C
Ceramic Tile Granite Panels Vinyl Tile Wood Interior Walls Ceramic Tile	30% 20% 5%			LIFE 2026 2049 2030	* *	3 5 5	\$16,100 \$5,400 \$6,700 \$4,000	C C C C
Ceramic Tile Granite Panels Vinyl Tile Wood Interior Walls Ceramic Tile Concrete Masonry Unit	30% 20% 5% 5% 15%			LIFE 2026 2049 2030 LIFE	* * * *	3 5 5 5 5	\$16,100 \$5,400 \$6,700 \$4,000 \$4,800	C C C C C
Ceramic Tile Granite Panels Vinyl Tile Wood Interior Walls Ceramic Tile Concrete Masonry Unit Glass: Single Pane	30% 20% 5% 5% 15% 10%			LIFE 2026 2049 2030 LIFE LIFE	* * * * * *	3 5 5 5 5	\$16,100 \$5,400 \$6,700 \$4,000 \$4,800 \$6,100	C C C C C C C
Ceramic Tile Granite Panels Vinyl Tile Wood Interior Walls Ceramic Tile Concrete Masonry Unit Glass: Single Pane Gypsum Board	30% 20% 5% 5% 15% 10% 60%			LIFE 2026 2049 2030 LIFE LIFE LIFE	* * * * * * * * * * * *	3 5 5 5 5	\$16,100 \$5,400 \$6,700 \$4,000 \$4,800	C C C C C C C C C
Ceramic Tile Granite Panels Vinyl Tile Wood Interior Walls Ceramic Tile Concrete Masonry Unit Glass: Single Pane	30% 20% 5% 5% 15% 10%			LIFE 2026 2049 2030 LIFE LIFE	* * * * * * * * * *	3 5 5 5 5	\$16,100 \$5,400 \$6,700 \$4,000 \$4,800 \$6,100	C C C C C C C

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

### Asset # : 4200

	Current I	Repair	Futur	e Replacement	Μ	aintenance	
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
1.00/		<b>\$2</b> ,400	2024	ste ste	-	<b>*2</b> < 0.0	D
Broken/M Location Water Per	issing Elem 1 : Conferen 1etration, E	pents, Extent : Mod nce Room A Extent : Moderate, A	erate, Ar	ea Affected : 5%	5	\$3,600	В
	U U		LIFE	* *	5	\$1.100	В
				* *			B
				* *			B
Other Obs Locatior	ı : Corridoi	rs		ected : 100%	C	<i>Q10,100</i>	2
25%			LIFE	* *	5	\$22,300	В
				* *		. ,	В
	Current F	Repair	Futur	e Replacement	M	aintenance	
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit Cod
Location	ı : Electrica	al Room			5	\$200	В
1				1			
100%			2034	* *	5	\$200	В
100%			2041	* *	5	\$200	В
100%			2041	* *	1		В
50/			2027	* *	~	¢100	р
							B
95%			2037	<b>Υ</b> Υ	5	\$1,200	В
100%			2041	* *	1		В
10%			2034	* *	5		В
90%			2034	* *	5	\$1,200	В
						•	
							_
	servation, E 1 : Basemer	Extent : Moderate, A ht	LIFE Area Affe	* * ected : 100%	5	\$700	В
	Total           10%           Broken/M           Location           Water Per           Location           10%           20%           15%           Other Obs           Location           Explana           25%           20%           15%           Other Obs           Location           Explana           100%           Other Obs           Location           Explana           100%           100%           100%           100%           100%           100%           100%           100%           100%	% of Total         Fail Date (Years)           10%         Now           Broken/Missing Elem Location : Conferent           Water Penetration, Elecation : Conferent           10%         20%           15%           Other Observation, Elecation : Corridor           Explanation : Suspention : Suspention : Suspention : Suspention : Suspention : Suspention : Electrication : Electrication : Electrication : Electrication : Control in the servation in the servation in the servation in the servation : One in the servation : One in the servation : One in the servation : Control in the servation in the servatin the servation in the servation in the servation i	Total (Years)         10% Now \$2,400         Broken/Missing Elements, Extent : Moderate, A         Location : Conference Room A         Water Penetration, Extent : Moderate, A         Location : Conference Room A         10%         20%         15%         Other Observation, Extent : Moderate, A         Location : Corridors         Explanation : Suspension Panels         25%         20%         100%         Other Observation, Extent : Moderate, A         Location : Corridors         Explanation : Suspension Panels         25%         20%         100%         00%         100%         00%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%         100%	% of TotalFail Date (Years)Estimated Cost FYYear FY10%Now\$2,4002034Broken/Missing Elements, Extent : Moderate, Ar Location : Conference Room AWater Penetration, Extent : Moderate, Area Affe Location : Conference Room AWater Penetration, Extent : Moderate, Area Affe Location : Conference Room ALIFE LIFE0% of Location : Corridors Explanation : Suspension PanelsLIFE 20%25%LIFE 20%LIFE20%LIFE00mFail Date (Years)Futur FY% of TotalFail Date (Years)Sear Affe Location : Corridors100%204100%Current RepairFutur FY100%2041100%2041100%2034100%2041100%2041100%2041100%2041100%2041100%2041100%2041100%2041100%2041100%2041100%2041100%2041	% of TotalFail Date (Years)Estimated Cost FYYear Stimated Cost FY10%Now\$2,4002034**Broken/Missing Elements, Extent : Moderate, Area Affected : Location : Conference Room AIIFE**Water Penetration, Extent : Moderate, Area Affected : 10%10%LIFE**20%LIFE**10%LIFE**0/her Observation, Extent : Moderate, Area Affected : 10%100%100%25%LIFE**20%LIFE**20%LIFE**0/her Observation, Extent : Moderate, Area Affected : 100%100%**100%2041**100%2034**100%2034**100%2037**100%2037**100%2041 <td>% of TotalFail Date (Years)Estimated Cost FYYear FYEstimated Cost (Yrs)Cycle (Yrs)10%Now\$2,4002034**5Broken/Missing Elements, Extent : Moderate, Area Affected : 5% Location : Conference Room ALIFE**5Water Penetration, Extent : Moderate, Area Affected : 10% Location : Conference Room ALIFE**510%LIFE**5520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**520%LIFE**5100%2041**5100%2041**5100%2041**5100%2041**5100%2041**5100%2041**5100%2041**110%2041**110%2041**1</br></br></br></br></br></td> <td>% of Total         Fail Date (Years)         Estimated Cost FY         Cycle FY         Estimated Cost (Yrs)           10%         Now         \$2,400         2034         **         5         \$3,600           Broken/Missing Elements, Extent : Moderate, Area Affected : 5% Location : Conference Room A         **         5         \$1,100           20%         LIFE         **         5         \$1,100           20%         LIFE         **         5         \$1,200           00ther Observation, Extent : Moderate, Area Affected : 100%         Location : Conference Room A         \$13,400           0ther Observation, Extent : Moderate, Area Affected : 100%         \$13,400         \$13,400           0ther Observation, Extent : Moderate, Area Affected : 100%         \$13,400         \$13,400           0ther Observation, Extent : Moderate, Area Affected : 100%         \$13,400         \$1400           20%         LIFE         **         5         \$22,300           20%         LIFE         **         5         \$125,000           100%         2041         **         5         \$22,300           100%         2041         **         5         \$200           00% of Fail Date Estimated Cost Location : Electrical Room Explanation : One Electrical Service Rated @ 4000 Amps</td>	% of TotalFail Date 	% of Total         Fail Date (Years)         Estimated Cost FY         Cycle FY         Estimated Cost (Yrs)           10%         Now         \$2,400         2034         **         5         \$3,600           Broken/Missing Elements, Extent : Moderate, Area Affected : 5% Location : Conference Room A         **         5         \$1,100           20%         LIFE         **         5         \$1,100           20%         LIFE         **         5         \$1,200           00ther Observation, Extent : Moderate, Area Affected : 100%         Location : Conference Room A         \$13,400           0ther Observation, Extent : Moderate, Area Affected : 100%         \$13,400         \$13,400           0ther Observation, Extent : Moderate, Area Affected : 100%         \$13,400         \$13,400           0ther Observation, Extent : Moderate, Area Affected : 100%         \$13,400         \$1400           20%         LIFE         **         5         \$22,300           20%         LIFE         **         5         \$125,000           100%         2041         **         5         \$22,300           100%         2041         **         5         \$200           00% of Fail Date Estimated Cost Location : Electrical Room Explanation : One Electrical Service Rated @ 4000 Amps

### Stand-by Power

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

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

#### Asset # : 4200

	Asset #	: 4200				
Electrical	Current Repair	Future F	Replacement	M		
System Component Type	% of Fail Date Estimated ( Total (Years)	Cost Year E FY	stimated Cost	Cycle (Yrs)	Estimated Cost	Priority Cod
tand-by Power						
Transfer Switches	1000/	2024	* *	1	¢14 <b>7</b> 00	D
Automatic	100%	2034	* *	1	\$14,700	В
Generators Diesel	100% Other Observation, Extent : Moder Location : Roof Explanation : Onan Diesel Gensi			1	\$18,500	В
Batteries	Explanation : Onan Dieser Gens	ei, No Available I	Kuing			
Nickel Cadmium	100%	2016	\$600	5	\$10,600	В
Fuel Storage					. ,	
Day Tank	50%	2037	* *	5	\$4,400	В
	Other Observation, Extent : Model Location : Roof Explanation : 75 Gallon Tank	rate, Area Affecte	ed : 5%			
Main Tank	50%	2049	* *	5	\$700	В
· 1	Other Observation, Extent : Moder Location : Basement Explanation : 3000 Gallon Tank	raie, Area Ajjecie	a : 95%			
ighting Interior Lighting						
Fluorescent	98%	2026	* *	10	\$42,900	В
	Other Observation, Extent : Moder Location : Throughout The Build Explanation : T-8 Lamps		ed : 100%			
HID	2%	2026	* *	10		В
Egress Lighting Exit, LED	100%	2049	* *	1		В
Exterior Lighting						
HID	100%	2026	* *	10	\$200	В
larm						
Security System Generic	100%	2026	* *	1	\$17,900	В
Fire/Smoke Detection	10070	2020		1	ψ17,900	Ъ
No Component	60%					D
Generic	40%	2026	* *	1-3	\$11,800	В
Mechanical	Current Repair	Future F	Replacement	M	aintenance	
System Component Type	% of Fail Date Estimated ( Total (Years)		stimated Cost		Estimated Cost	Priority Cod
leating Energy Source Interruptible Gas/Dual Fuel	100%	2041	* *	1		В

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

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

### Asset # : 4200

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 Code	
Heating									
Conversion Equipment									
Hot Water Boiler	Location	ı : Basement	ctent : Light, Area Boiler Room s - Providing Chil			1	\$23,700	В	
Distribution			_						
Hot Wtr Piping/Pump	100%			2037	* *	4	\$2,400	В	
Terminal Devices									
Air Handler	60%			2026	* *	1	\$17,700	В	
Convector/Radiator	30%			2034	* *	1	\$4,600	В	
Unit Heater-Stm/HW	10%			2026	* *	4	\$400	В	
Air Conditioning									
Energy Source									
Natural Gas	100%			2041	* *	1		В	
Conversion Equipment Absorption	100%			2026	* *	1	\$51,700	В	
Chiller/Direct Fire									
			ctent : Light, Area	Affected	: 100%				
	Location	ı : Boiler Ro	om						
	Explana	tion : Comb	ination Heater - C	hiller Ur	iits				
Distribution									
Chilled Wtr Pipe/Pump	100%			2041	* *	4	\$2,400	В	
Terminal Devices									
Air Handler/Cool/Ht	100%			2026	* *	1	\$29,600	В	
Heat Rejection Water Cool Tower	100%			2022	\$157,800	2	\$48,100	В	
Ventilation									
Distribution									
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$26,600	В	
Exhaust Fans									
Interior	95%			2026	* *	2	\$1,400	В	
Roof	5%			2021	\$2,200	2	\$100	В	
Plumbing									
H/C Water Piping									
Brass/Copper	100%			2041	* *	1		В	
Water Heater									
Electric	100%			2019	\$8,500	4	\$400	В	
Sanitary Piping									
Cast Iron	100%			LIFE	* *	1		В	
Storm Drain Piping									
Cast Iron	100%			LIFE	* *	1		В	
Sewage Ejector(s)									
Electric	100%			2026	* *	4	\$1,300	В	
Backflow Preventer							, -, 0		
Generic	100%			2026	* *	1	\$3,000	В	
Fixtures	10070			_0_0		-	40,000	~	
Generic	100%							В	
Generic	10070							D	

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

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

### Asset # : 4200

Mechanical	Current Repair	Future Rep	placement	Μ	Maintenance	
System Component Type	% of Fail Date Estimated Co Total (Years)	ost Year Esti FY	mated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Vertical Transport						
Elevators						
Hydraulic	100%	LIFE	* *			С
-	Other Observation, Extent : Light, A	Area Affected : 100	%			
	Location : C, M, L, 1-3					
	Explanation : Two Units					
Fire Suppression						
Sprinkler						
Generic	100%	2041	* *	1-2	\$13,400	В

 

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

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

### Print Date : 05-Sep-2013 QUEENS PUBLIC LIBRARY - FY 2014

Asset Name	: LANGSTON HUGHES COMMUNITY	LIB. & CULTURA	L CENTER
Address	: 100-01 NORTHERN BLVD. CORONA		
Borough	: QUEENS	Agency's Number	: LH
Program / Asset #	: QPL0003.000 / 4519	Yr Built/Renovated	: 1999/
Area Sq Ft	: 24,679	Project Type	: QUEENS PUBLIC LIBRARY
Date of Survey	: 16-Jul-2012	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2		
Block	: 1695 Lot : 39	BIN	: 4437193

CAPITAL	FY 2015 - 2018	FY 2019 - 2024
Mechanical		\$92,600
Total		\$92,600
Priority B		\$92,600
Total		\$92,600

EXPENSE	FY 2015	FY 2016	FY 2017	FY 2018
Exterior Architecture		\$6,700		\$27,700
Interior Architecture	\$15,800	\$19,900	\$2,300	\$800
Electrical	\$1,700	\$2,100	\$1,700	\$22,600
Mechanical	\$5,400	\$7,900	\$6,100	\$12,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$26,800	\$40,500	\$14,000	\$67,600
Priority A		\$6,700		\$27,700
Priority B	\$13,900	\$24,500	\$11,700	\$39,200
Priority C	\$12,900	\$9,300	\$2,300	\$800
Total	\$26,800	\$40,500	\$14,000	\$67,600



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

Asset	#	:	4519
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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 Code
Exterior								
Exterior Walls								
Masonry: Brick	83%			LIFE	* *	5	\$24,500	А
Masonry: Granite	2%			LIFE	* *	5	\$400	А
Metal Panel	10%			2043	* *	5-10	\$20,300	А
Window Wall	5%			2043	* *	5	\$5,500	Α
Windows								
Aluminum	95%			2039	* *	5	\$2,800	А
Glass Block	5%			LIFE	* *	5	\$100	Α
Parapets								
Concrete Masonry Unit				LIFE	* *	5	\$1,100	А
			Extent : Moderate, A	Area Affe	ected : 100%			
		: Interior						
	Explana	tion : Cove	red With Tar					
Masonry: Brick	45%			LIFE	* *	5	\$1,300	А
Metal Panel	3%			2043	* *	5	\$300	А
Metal Rail	15%			2036	* *	5-10	\$7,800	А
Pre-Cast Concrete	2%			LIFE	* *	5	\$400	А
Roof								
Metal Panel	5%			2036	* *	10	\$2,000	А
Modified Bitumen	90%			2028	* *	10	\$19,200	А
Sloped Glazing	5%			LIFE	* *	5	\$14,200	А
	Recent Re	pair Evider	nt, Extent : Light, A	rea Affeo	cted : 10%			
	Location	: Over Au	ditorium					
nterior								
Floors								
Carpet	45%			2022	\$81,100	3	\$20,400	С
Carpet	5%	Now	\$9,000	2025	* *	3	\$2,300	С
	Broken/M	issing Elem	ents, Extent : Seve	re, Area	Affected : 100%			
	Location	: Research	h Center					
	Poor Subf	loor Evider	nt, Extent : Severe,	Area Aff	ected : 100%			
	Location	: Research	h Center					
	Water Per	etration, E	xtent : Severe, Area	a Affecte	d : 25%			
	Location	: Research	h Center					
Ceramic Tile	15%			2032	* *	5	\$4,500	С
Vinyl Tile	30%			2028	* *	3	\$3,400	С
Wood	5%			2051	* *	5	\$2,800	С
Interior Walls						-	1 7	
Concrete Masonry Unit	25%			LIFE	* *	5	\$4,200	С
Gypsum Board	5%	Now	\$3,900	LIFE	* *	5	\$1,300	Ċ
- J <u>r</u>			Extent : Moderate		ffected : 10%	-	+ - ,= 50	-
	-	-	Research Center	5	v			
			xtent : Moderate, A	Area Affe	cted : 15%			
			Research Center	55 -				
Gypsum Board	70%			LIFE	* *	5	\$17,500	С
Gypsull Board	/0%			LUL		5	φ17,500	U

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

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

#### Asset # : 4519

			A55el # . 4	515				
Architecture		Current I	Repair	Futur	e Replacement	Μ	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Cod
nterior								
Ceilings						_	<b>*• · • • • • • • • • • •</b>	-
AcousTileSusp.Lay-In	70%			2036	* *	5	\$21,200	B
Exposed Struc: Steel	5% 1 <i>5</i> %		000 52	LIFE	* *	5	\$5 700	B
Gypsum Board	15% Cracking		\$2,900 Extent : Moderate	LIFE		5	\$5,700	В
	-	n : Auditori		, лгеи л	<i>Jecieu</i> . 1070			
			xtent : Moderate, A	rea Affe	cted : 10%			
		n : Auditori		55				
Wood	10%			LIFE	* *	5	\$26,400	В
Electrical		Current I	Repair	Futur	e Replacement	М	aintenance	
System	% of	Fail Date	Estimated Cost	Vear	Estimated Cost	Cycle	Estimated Cost	Priority
Component	Total	(Years)	Estimated Cost	FY	Estimated Cost	(Yrs)	Estimated Cost	Cod
Туре		(						
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2043	* *	5	\$100	В
Fused Disc Sw			Extent : Moderate, A			5	\$100	D
		n : Electrico		ireu Ajje	cieu . 10070			
			Service Switch Ra	ted @ 16	500 Amneres			
Switchgear / Switchboard	Explaine		Service Swhen Ha	<i>icu</i> e 10	loo IImperes			
Molded Case Bkrs	100%			2043	* *	5	\$500	В
Raceway								
Conduit	100%			2043	* *	1		В
Panelboards								
Fused Disc Sw	5%			2039	* *	5		В
Molded Case Bkrs	95%			2039	* *	5	\$500	В
Wiring								
Thermoplastic	100%			2043	* *	1		В
Motor Controllers	1000				ale ale	_	¢100	
Locally Mounted	100%			2036	* *	5	\$100	В
Ground								
Grounding Devices Generic	100%			LIFE	* *	5	\$300	В
Lighting	100%			LIFE		5	\$300	D
Interior Lighting								
Fluorescent	94%			2028	* *	10	\$17,400	В
			Extent : Moderate, A		ected : 100%	10	<i>Q1</i> ,100	2
			out The Building	55				
		tion : T-8 I	-					
Fluorescent	4%			2028	* *	10	\$700	В
			Extent : Moderate, A		ected : 100%		4,00	-
		n : 1st Floo		55 -				
	Explana	tion : Com	pact Fluorescent La	amps				
Incandescent	2%			2028	* *	2		В
	270			_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.

#### Asset # : 4519

			0.0				
Electrical	Currei	nt Repair	Futur	re Replacement	Μ	aintenance	
System Component Type	% of Fail Da Total (Year	nte Estimated Cost s)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Lighting							
Egress Lighting							
Emergency, Battery	50%		2028	* *	10	\$2,400	В
Exit, LED	50%		2051	* *	1		В
Exterior Lighting							
HID	100%		2028	* *	10	\$100	В
Alarm							
Security System							
No Component	30%						D
Generic	70%		2028	* *	1	\$5,300	В
	Other Observation	n, Extent : Moderate, A	Area Affe	ected : 100%			
	Location : Inside	e And Outside					
	Explanation : C	CTV Surveillance C	'ameras				
Fire/Smoke Detection							
Generic	100%		2028	* *	1-3	\$12,500	В
	Other Observation	n, Extent : Moderate, A	Area Affe	ected : 100%			
	Location : Throi	ighout The Building					
	$Explanation \cdot H$	orns Strobe Lights M	anual P	ull Stations And Sn	noke Det	ectors	

Explanation : Horns, Strobe Lights, Manual Pull Stations And Smoke Detectors.

Mechanical	Current Re	pair Fu	ure Replacement	N	laintenance	
System Component Type	% of Fail Date I Total (Years)	Estimated Cost Yea FY		t Cycle (Yrs)	Estimated Cost	Priority Code
Heating						
Energy Source						
Natural Gas	100%	203	3 **	* 1		В
Conversion Equipment						
Hot Water Boiler	100%	202	8 **	* 1	\$10,000	В
	Other Observation, Ext	ent : Light, Area Affect	ed : 100%			
	Location : Basement	Boiler Room				
	Explanation : 1 Unit					
Distribution						
Hot Wtr Piping/Pump	100%	203	9 **	* 4	\$1,500	В
Terminal Devices						
Air Handler	60%	202	8 **	* 1	\$7,500	В
Convector/Radiator	40%	203	6 **	* 1	\$2,600	В
Air Conditioning						
Energy Source						
Electricity	100%	203	9 **	* 1		В

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

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

Asset # : 4519

Mechanical	Curre	nt Repair	Futur	e Replacement	Μ	aintenance	
System Component Type	% of Fail Da Total (Year	ate Estimated Cost s)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Air Conditioning Conversion Equipment Int Pkg Unit - Heating/Cooling	20%		2024	\$92,600	2	\$300	В
		Extent : Light, Area A it For Auditorium	ffected :	20%			
Reciprocating Compr/Chiller	80%		2028	* *	1	\$7,500	В
compt, chine	Location : Baser	1, Extent : Light, Area nent					
Distribution Chilled Wtr Pipe/Pump No Component	80% 20%		2043	* *	4	\$1,200	B D
Terminal Devices Air Handler/Cool/Ht No Component	80% 20%		2028	* *	1	\$10,000	B D
Heat Rejection Air Condenser Unit	100%		2028	* *	2	\$14,100	В
entilation Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5	\$11,300	В
Exhaust Fans							
Roof	70%		2028	* *	2	\$400	В
Roof	30%		2028	* *	2	\$200	В
lumbing H/C Water Piping Brass/Copper	100%		2043	* *	1		В
Water Heater Gas Fired	100%		2018	\$5,400	2	\$300	В
Sanitary Piping Cast Iron	100%		LIFE	* *	1		В
Storm Drain Piping Cast Iron	100%		LIFE	* *	1		В
Sewage Ejector(s) Electric	100%		2028	* *	4	\$2,000	В
Fixtures Generic	100%						В
ertical Transport							
Elevators							
Hydraulic	100% Other Observation Location : B, 1,	n, Extent : Light, Area 2.	LIFE Affected	* *			С
	Explanation : 1	Unit					

### Fire Suppression

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

Asset # : 4519

Mechanical	Current	Repair	Futur	e Replacement	M	aintenance	
System Component Type	% of Fail Date Total (Years)	e Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Fire Suppression Sprinkler Generic	100%		2043	* *	1-2	\$5,700	В

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

### Print Date : 05-Sep-2013 QUEENS PUBLIC LIBRARY - FY 2014

Asset Name	: LONG ISLAND CITY COMMUNITY	LIBRARY	
Address	: 37-44 21ST STREET		
Borough	: QUEENS	Agency's Number	: LIC
Program / Asset #	: QPL0005.000 / 14111	Yr Built/Renovated	: 2007 /
Area Sq Ft	: 19,327	Project Type	: QUEENS PUBLIC LIBRARY
Date of Survey	: 31-Jul-2013	Landmark Status	: NONE
Areas Surveyed	: Roof, Floors 1,2		
Block	: 363 Lot : 1	BIN	: 4463561

### CAPITAL

Total			
Priority			
Total			

EXPENSE	FY 2015	FY 2016	FY 2017	FY 2018
Exterior Architecture	\$76,900	\$5,900		
Interior Architecture	\$22,600	\$15,300	\$3,700	
Electrical	\$2,000	\$1,700	\$1,800	\$1,500
Mechanical	\$11,000	\$4,000	\$7,100	\$3,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$116,400	\$30,800	\$16,400	\$9,000
Priority A	\$76,900	\$5,900		
Priority B	\$22,100	\$20,300	\$12,800	\$9,000
Priority C	\$17,500	\$4,600	\$3,700	



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

#### Asset # : 14111

Architecture		Current Repair Future Replacement			e Replacement	Μ		
ystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
xterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	* *	5	\$40,600	А
Metal Panel	5%			2050	* *	5-10	\$10,000	А
Granite Panels	5%			LIFE	* *	5	\$2,200	А
Pre-Cast Concrete	15%			LIFE	* *	5	\$28,300	А
Stucco Cement	5%			2041	* *	5	\$3,600	А
Windows								
Aluminum	95%			2046	* *	5	\$1,300	А
Glass Block	5%			LIFE	* *	5	\$100	А
Parapets								
Metal Panel	5%			2050	* *	5	\$400	А
Metal Rail	25%			2041	* *	5-10	\$8,700	А
Pre-Cast Concrete	65%			LIFE	* *	5	\$15,700	А
Pre-Cast Concrete	5%	Now	\$400	LIFE	* *	5	\$600	А
	Locatior Caulking	ı : Coping	d, Extent : Moderat ed, Extent : Modera					
Roof	2000.000							
Modified Bitumen			\$30,200 tings, Extent : Mode	2032 erate, Ar	* * ea Affected : 25%			А
			xtent : Moderate, A Custodians Office	rea Affe	cted : 10%			
terior								
Floors								
Carpet	30%			2025	* *	3	\$10,700	С
Ceramic Tile	15%			2037	* *	5	\$3,600	С
Vinyl Tile	55%			2032	* *	3	\$4,900	С
Interior Walls								
Ceramic Tile	3%			2037	* *	5	\$500	С
Folding Partition	5%			2046	* *	5	\$2,200	С
Glass: Single Pane	2%			LIFE	* *	5	\$500	С
Gypsum Board	90%			LIFE	* *	5-10	\$26,600	С
Ceilings								
AcousTileSusp.Lay-In	90%			2041	* *	5	\$21,300	В
			xtent : Moderate, A uns Office And Stair		cted : 10%			
Gypsum Board	10%			LIFE	* *	5-10	\$8,100	В
Electrical		Current F	Repair	Futur	e Replacement	М	aintenance	
bystem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Cod

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.

#### Asset # : 14111

Electrical		Current Repair Future Replacement				Μ		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	* *	5	\$100	В
			xtent : Moderate, A	Area Affe	ected : 100%			
		: Electrica		. 10.10				
	Explanat	ion : Main	Service Switch Ra	ted @ 12	200 Amperes			
Switchgear / Switchboard Molded Case Bkrs	100%			2050	* *	5	\$400	В
Raceway						-		
Conduit	100%			2050	* *	1		В
Panelboards								
Fused Disc Sw	5%			2046	* *	5		В
Molded Case Bkrs	95%			2046	* *	5	\$400	В
Wiring								
Thermoplastic	100%			2050	* *	1		В
Motor Controllers								
Locally Mounted	100%			2041	* *	5	\$100	В
Ground								
Grounding Devices	1000/			LIPP	* *	~	¢	D
Generic	100%			LIFE		5	\$500	В
Lighting Interior Lighting								
Fluorescent	60%			2032	* *	10	\$8,700	В
Tuorescent		Extent : M	loderate, Area Affe		00%	10	ψ0,700	Ъ
	-		out The Building					
Fluorescent	20%	0	0	2032	* *	10	\$2,900	В
Tuorescent		ervation. Es	xtent : Moderate, A		ected : 100%	10	ψ2,700	D
			out The Building					
			act Fluorescent La	amps				
Fluorescent	18%	1		2032	* *	10	\$2,600	В
Thorescent		Extent : M	loderate, Area Aff		00%	10	φ2,000	D
	-		out The Building					
Incandescent	2%			2032	* *	2		В
Egress Lighting	270			2052				2
Emergency, Battery	50%			2032	* *	10	\$1,900	В
Exit, Service	50%			2032	* *	1	+ - ,> = =	В
Exterior Lighting								
HID	50%			2032	* *	10		В
Incandescent	50%			2032	* *	2		В
Alarm								
Security System								
Generic	100%			2032	* *	1	\$5,900	В
			ctent : Moderate, A	Area Affe	ected : 100%			
		-	out The Building					
	Explanat	ion : C C T	V Surveillance C	ameras				

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

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

#### Asset # : 14111

			Asset # : 14	111				
Electrical	Current Repair Future Replacemen				e Replacement	ment Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Alarm Fire/Smoke Detection Generic	Location	servation, E 1 : Through	Extent : Moderate, A out The Building pe Lights, Manual H			1-3 ectors	\$9,800	В
Mechanical		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 Code
Heating Energy Source Natural Gas	100%			2044	* *	1		В
Conversion Equipment Hot Water Boiler	Location	servation, E	Extent : Light, Area nt Boiler Room its	2037 Affected	* * ! : 100%	1	\$7,800	В
Distribution Hot Wtr Piping/Pump	100%			2040	* *	4	\$1,200	В
Terminal Devices Air Handler Convector/Radiator	90% 10%			2029 2037	* *	1 1	\$8,800 \$500	B B
Air Conditioning Energy Source Electricity	100%			2040	* *	1		В
Conversion Equipment Reciprocating Compr/Chiller	100%			2029	* *	1	\$7,300	В
Ĩ	v	igerant, Ex 1 : Penthou	tent : Light, Area A se	ffected :	100%			
Terminal Devices Air Handler/Cool/Ht	100%			2029	* *	1	\$9,800	В
Heat Rejection Air Condenser Unit Ventilation	100%			2029	* *	2	\$11,000	В
Distribution Ductwork/Diffusers	100%			LIFE	* *	2-5	\$14,000	В
Exhaust Fans Roof	100%			2029	* *	2	\$500	В
Plumbing H/C Water Piping Brass/Copper	100%			2050	* *	1		В
Water Heater Gas Fired	100%			2022	\$4,200	2	\$200	В
Sanitary Piping Cast Iron	100%			LIFE	* *	1		В

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

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

#### Asset # : 14111

Mechanical	Current Re	epair Fu	ture Replacement	Μ	aintenance	
System Component Type	% of Fail Date Total (Years)	Estimated Cost Yea		t Cycle (Yrs)	Estimated Cost	Priority Code
Plumbing						
Storm Drain Piping						
Cast Iron	100%	LIF	°Е **	· 1		В
Backflow Preventer						
Generic	100%	203	82 **	· 1	\$1,000	В
Fixtures						
Generic	100%					В
Vertical Transport						
Elevators						
Hydraulic	100%	LIF	ΈE * *	•		С
-	Other Observation, Ex	ctent : Light, Area Affec				
	Location : 1-2					
	Explanation : 1 Unit					

#### **QUEENS PUBLIC LIBRARY - FY 2014** Print Date: 05-Sep-2013

Asset Name	: QUEENS CENTRAL LIBRARY		
Address	: 89-11 MERRICK BOULEVARD		
Borough	: QUEENS	Agency's Number	: N/A
Program / Asset #	: QPL0001.000 / 1867	Yr Built/Renovated	: 1966 / 2012
Area Sq Ft	: 239,750	Project Type	: QUEENS PUBLIC LIBRARY
Date of Survey	: 18-Jul-2012	Landmark Status	: NONE
Areas Surveyed	: Basement, Sub Basement, Roof, Floors	1,2,Ph	
Block	: 9798 Lot : 6	BIN	: 4209635

CAPITAL	FY 2015 - 2018	FY 2019 - 2024
Exterior Architecture	\$652,700	\$1,001,100
Interior Architecture	\$399,600	\$372,900
Electrical	\$1,617,100	\$525,600
Mechanical	\$2,596,500	\$332,400
Total	\$5,265,800	\$2,232,100
Priority A	\$652,700	\$1,001,100
Priority B	\$4,577,000	\$901,700
Priority C	\$36,100	\$329,300
Total	\$5,265,800	\$2,232,100

Total	\$253,100	\$157,100	\$159,400	\$208,600
Priority C	\$79,700	\$38,300	\$3,500	\$48,800
Priority B	\$145,500	\$110,200	\$155,900	\$138,600
Priority A	\$27,800	\$8,600		\$21,300
Total	\$253,100	\$157,100	\$159,400	\$208,600
Elevators/Escalators	\$15,800	\$15,800	\$15,800	\$15,800
Mechanical	\$109,500	\$65,300	\$122,400	\$98,900
Electrical	\$20,200	\$29,100	\$17,700	\$23,900
Interior Architecture	\$79,700	\$38,300	\$3,500	\$48,800
Exterior Architecture	\$27,800	\$8,600		\$21,300
EXPENSE	FY 2015	FY 2016	FY 2017	FY 2018



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

#### Asset # : 1867

rchitecture		Current Repair Future Replacement					Maintenance	
ystem Component Type	% of Total		Estimated Cost		Estimated Cost		Estimated Cost	Priority Code
terior								
Exterior Walls	200/	N	¢1.6 <b>2</b> .000	LIPP	* *	~	¢ <b>2</b> 4,000	
Masonry: Brick	Location Misaligne	: Penthou	Extent : Moderate,		ected : 10%	5	\$24,000	А
	Water Pen	etration, E	Extent : Moderate, A	rea Affe	ected : 10%			
	Location	: Second I	Floor Admin Area U	Jnder W	indows			
Granite Panels	5%			LIFE	* *	5	\$3,000	Α
Panel/Paver: Limestone	50%	2-4	\$250,700	LIFE	* *	5	\$30,000	A
		r Miss/Eroo : Front Er	d, Extent : Light, Ar	rea Affec	eted : 10%			
Pre-Cast Concrete	10%			LIFE	* *	5	\$26,000	Α
	Location	: Discover	Extent : Moderate, A ry Center rete Panels Painted					
Window Wall	5%			2043	* *	5	\$15,000	А
Windows								
Aluminum	25%	Now	\$27,800	2039	* *	5	\$2,900	А
	0		ed, Extent : Modera		00			
			acade, Administrati					
			Extent : Moderate, A					
		: Payroll	Room, Administrati			_		
Aluminum	75%			2031	* *	5	\$17,200	А
Parapets Masonry: Brick	30%	Now	\$37.500	LIFE	* *	5	\$5,600	٨
Masonry. Brick			1 )			5	\$5,000	А
	Misaligned/Bulging, Extent : Moderate, Area Affected : 25% Location : Penthouse							
	Worn/Ero	ded. Extent	: Moderate, Area	Affected	: 15%			
			At Upper Roof At S	00				
Masonry: Limestone	5%			LIFE	* *	5	\$1,200	Α
Metal Panel	10%			2033	* *	5	\$7,200	A
Metal Rail	5%			2028	* *	5-10	\$16,700	А
Panel/Paver: Limestone	50%			LIFE	* *	5	\$10,200	А

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

#### Asset # : 1867

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of H Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Exterior								
Roof								
Built-Up (BUR)	Location . Water Pene Location :	Over I T tration, E	\$54,800 tings, Extent : Mod S Area, 1980 Addi Extent : Moderate, A S Area, Blue Confe	tion Area Affe	cted : 10%	Corrido	rs Of 1980	A
Modified Bitumen	Addition 60%			2023	\$880,500	10	\$120,600	٨
Modified Bitumen	10% Blisters, Ex Location .	· Section ( ged Flash	\$146,800 lerate, Area Affecte Of Upper Roof At S ings, Extent : Mode feteria	2033 ed : 15% outhwest	* * Side	10	\$120,000	A A
		tration, E	xtent : Severe, Area	a Affecte	d : 20%			
Skylight, Metal/Glass	5%			2043	* *	10	\$33,500	А
Interior								
Floors Carpet	Location . Worn/Erode	· First Flo ed, Extent	: Moderate, Area			3	\$146,400	C
	Location .							
Cast in Place Concrete	-	-	\$21,400 ht, Area Affected : ical Room Below D		* * Center	5	\$61,000	C
Ceramic Tile	5%			2026	* *	5	\$13,900	С
Sheet Vinyl/Rubber	15%			2031	* *	5	\$62,700	С
Vinyl Tile	10%			2023	\$268,300	3	\$10,500	С
Under Construction	25%							D
Interior Walls								
Concrete Masonry Unit				LIFE	* *	5	\$6,200	С
Glass: Single Pane	5%			LIFE	* *	5	\$5,900	С
Gypsum Board	15%			LIFE	* *	5	\$14,100	C
Gypsum Board	10%	0.0	¢2 < 100	LIFE	* *	5	\$9,400	C
Plaster	25% Cracking/C Location .	-	\$36,100 Extent : Moderate 1 5	LIFE , Area Aj	* * ffected : 5%	5	\$11,700	C
SGFT/Glazed Masonry	5%			LIFE	* *			С
Wood	5%			LIFE	* *	5	\$31,200	С

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### Asset # : 1867

chitecture		Current I	Repair	Futur	e Replacement	Μ	aintenance	
stem Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priorit Co
erior								
Ceilings	1 50/		\$225 000	20.42	ste ste	-	<b>\$2</b> < <b>2</b> 00	P
AcousTileConcealSpLn	Staining/I Location Worn/Ero	Discoloring 1 : First C A ded, Extent	\$325,900 , Extent : Moderate And C2 Floors : Moderate, Area A And C2 Floors	-	-	5	\$26,200	В
AcousTileSusp.Lay-In	Location Water Per	ı : Payroll . 1etration, E	\$37,600 , Extent : Moderate Room, Security Off Extent : Moderate, A Room, Its And Corr	ice, Corr rea Affe	idors cted : 10%	5 Ifeteria	\$27,900	В
Exposed Concrete	5%			LIFE	* *	5	\$2,200	В
Exposed Struc: Steel	5%			LIFE	* *	5	<i><b>4</b>2,200</i>	B
Metal Panel	5%			LIFE	* *	5	\$17,400	B
Plaster	10%			LIFE	* *	5	\$17,400	B
Plaster	15%			LIFE	* *	5	\$26,200	В
Under Construction	25%					-	+,	D
ectrical		Current I	Repair	Futur	e Replacement	М	aintenance	
stem Component	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Туре	Total	(1615)		F I		(115)		Co
der 600 Volts	Total	(1615)		F1		(113)		Co
der 600 Volts Service Equipment		(Teals)						
der 600 Volts	100%			2053	**	5	\$1,000	В
der 600 Volts Service Equipment	100% Other Obs	servation, E	Extent : Moderate, A	2053			\$1,000	
der 600 Volts Service Equipment	100% Other Ob Location	servation, E a : Electrico	al Room	2053 Area Affe	ected : 100%		\$1,000	
der 600 Volts Service Equipment Air Circuit Breaker	100% Other Ob Location	servation, E a : Electrico		2053 Area Affe	ected : 100%		\$1,000	
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard	100% Other Obs Location Explana	servation, E a : Electrico	al Room	2053 Area Affe isconnec	ected : 100% et Switch	5		В
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker	100% Other Ob: Location Explana 80%	servation, E a : Electrico	al Room	2053 Area Affe isconnec 2053	ected : 100% et Switch * *	5	\$800	B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs	100% Other Obs Location Explana	servation, E a : Electrico	al Room	2053 Area Affe isconnec	ected : 100% et Switch	5		В
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway	100% Other Ob: Location Explana 80% 20%	servation, E a : Electrico	al Room	2053 Area Affe isconnec 2053 2023	ected : 100% et Switch * * \$42,100	5 5 5 5	\$800	B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit	100% Other Ob: Location Explana 80% 20%	servation, E a : Electrico	al Room	2053 Area Affe isconnec 2053 2023 2023	ected : 100% et Switch * *	5 5 5 1	\$800	B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit	100% Other Ob: Location Explana 80% 20%	servation, E a : Electrico	al Room	2053 Area Affe isconnec 2053 2023	ected : 100% et Switch ** \$42,100 \$81,500	5 5 5 5	\$800	B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards	100% Other Ob: Location Explana 80% 20% 30% 70%	servation, E 1 : Electrica tion : Two	al Room	2053 Area Affe isconneo 2053 2023 2023 2023	ected : 100% et Switch ** \$42,100 \$81,500	5 5 5 1 1	\$800 \$1,000	B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw	100% Other Ob: Location Explana 80% 20% 30% 70%	servation, E 1 : Electrica tion : Two	al Room	2053 Area Affe 2053 2023 2023 2023 2053 2048	ected : 100% et Switch \$42,100 \$81,500 **	5 5 5 1 1 5	\$800 \$1,000 \$200	B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw	100% Other Ob: Location Explana 80% 20% 30% 70% 5% 10%	servation, E 1 : Electrica tion : Two	al Room	2053 Area Affe 2053 2023 2023 2023 2053 2048 2022	ected : 100% et Switch \$42,100 \$81,500 **	5 5 5 1 1 5 5 5	\$800 \$1,000 \$200 \$500	B B B B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw Molded Case Bkrs	100% Other Ob: Location Explana 80% 20% 30% 70% 5% 10% 45%	servation, E 1 : Electrica tion : Two	al Room	2053 Area Affe isconnec 2053 2023 2023 2053 2048 2022 2031	ected : 100% et Switch \$42,100 \$81,500 ** ** \$27,400	5 5 5 1 1 5 5 5 5	\$800 \$1,000 \$200 \$500 \$2,300	B B B B B B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw Molded Case Bkrs Molded Case Bkrs	100% Other Ob. Location Explana 80% 20% 30% 70% 5% 10% 45% 30%	servation, E 1 : Electrica tion : Two	al Room	2053 Area Affe isconnec 2053 2023 2023 2053 2048 2022 2031 2048	ected : 100% et Switch \$42,100 \$81,500 ** \$27,400 **	5 5 5 1 1 5 5 5 5 5 5	\$800 \$1,000 \$200 \$500 \$2,300 \$1,600	B B B B B B B B B B B B B B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw Molded Case Bkrs Molded Case Bkrs Molded Case Bkrs	100% Other Ob: Location Explana 80% 20% 30% 70% 5% 10% 45%	servation, E 1 : Electrica tion : Two	al Room	2053 Area Affe isconnec 2053 2023 2023 2053 2048 2022 2031	ected : 100% et Switch ** \$42,100 \$81,500 ** \$27,400 ** **	5 5 5 1 1 5 5 5 5	\$800 \$1,000 \$200 \$500 \$2,300	B B B B B B B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw Molded Case Bkrs Molded Case Bkrs	100% Other Ob: Location Explana 80% 20% 30% 70% 5% 10% 45% 30% 10% 45% 30% 10%	servation, E 1 : Electrica tion : Two 2-4	al Room 4000 Amps Main D \$61,500 ent : Moderate, Are	2053 Area Affe 2053 2023 2023 2023 2023 2053 2048 2022 2031 2048 2039 2048	ected : 100% et Switch \$42,100 \$81,500 ** \$27,400 ** ** ** **	5 5 5 1 1 5 5 5 5 5 5	\$800 \$1,000 \$200 \$500 \$2,300 \$1,600	B B B B B B B B B B B B B B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw Molded Case Bkrs Molded Case Bkrs Molded Case Bkrs Wiring Braided Cloth	100% Other Ob. Location Explana 80% 20% 30% 70% 5% 10% 45% 30% 10% 45% 30% 10%	2-4 A Servation, E	al Room 4000 Amps Main D \$61,500 ent : Moderate, Are	2053 Area Affe isconneo 2053 2023 2023 2023 2053 2048 2022 2031 2048 2039 2048 2039	ected : 100% et Switch \$42,100 \$81,500 ** \$27,400 ** ** ** **	5 5 5 1 1 5 5 5 5 5 5 5	\$800 \$1,000 \$200 \$500 \$2,300 \$1,600	B B B B B B B B B B B B B B B B B B B
der 600 Volts Service Equipment Air Circuit Breaker Switchgear / Switchboard Air Circuit Breaker Molded Case Bkrs Raceway Conduit Conduit Panelboards Fused Disc Sw Fused Disc Sw Fused Disc Sw Molded Case Bkrs Molded Case Bkrs Molded Case Bkrs Molded Case Bkrs Wiring	100% Other Ob: Location Explana 80% 20% 30% 70% 5% 10% 45% 30% 10% 45% 30% 10%	2-4 Aged, Exte	al Room 4000 Amps Main D \$61,500 ent : Moderate, Are	2053 Area Affe 2053 2023 2023 2023 2023 2053 2048 2022 2031 2048 2039 2048	ected : 100% ext Switch ** \$42,100 \$81,500 ** \$27,400 ** ** ** ** ** ** ** ** **	5 5 5 1 1 5 5 5 5 5 5 1	\$800 \$1,000 \$200 \$500 \$2,300 \$1,600	B B B B B B B B B B B B B B B B B B B

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

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

### Asset # : 1867

Electrical	Current R	epair	Futur	e Replacement	M	aintenance	
System Component	% of Fail Date Total (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Cod
Туре	Total (Teals)		<b>F</b> I		(113)		Cou
Inder 600 Volts							
Motor Controllers							
Locally Mounted	10%		2021	\$51,500	5	\$100	В
Locally Mounted	10%		2043	* *	5	\$100	В
Motor Control Center	40%		2028	* *	5	\$2,100	В
Motor Control Center	40%		2021	\$206,100	5	\$2,100	В
round							
Grounding Devices	<b>5</b> 00/			ate ate	_	<b>\$1</b> , <b>5</b> 00	P
Generic	50%		LIFE	* *	5	\$1,500	В
	Other Observation, Ex		Area Affe	ected : 100%			
	Location : Basement		ים י				
~ .	Explanation : Conne	ctea Io Main Wai					
Generic	50%		LIFE	* *	5	\$1,500	В
tand-by Power							
Transfer Switches	500/		2020	* *	1	¢20.200	р
Automatic	50%		2028	* *	1	\$30,300	B
Automatic	50%		2043	* *	1	\$30,300	В
Generators	250/		2022	* *	1	¢26 600	л
Diesel	35% Other Observation Fr	tout . Madauata	2032		1	\$26,600	В
	Other Observation, Ex Location : Roof	ieni : Moderale, P	Area Ajje	ciea : 100%			
		07 V					
	Explanation : One 1	57 <b>K</b> Va	2010	<b>*25</b> 000	1	<b>*2</b> < <0.0	
Natural Gas	35%		2019	\$25,900	1	\$26,600	В
	Other Observation, Ex	tent : Moaerate, A	Area Affe	ectea : 100%			
	Location : Roof	C V					
	Explanation : One 4	бкла					D
Under Construction	30%						D
Batteries	250/		2015	<b>\$200</b>	~	<b>*2 5</b> 00	р
Lead/Acid	35%		2015	\$200 \$200	5	\$2,500	B
Lead/Acid	30%		2018	\$200 \$200	5	\$2,200	B
Nickel Cadmium	35%		2016	\$200	5	\$15,300	В
Fuel Storage	500/		2020	* *	~	¢10.000	р
Day Tank	50%		2039	* *	5	\$18,200	B
Main Tank	50%		2051	1. A. A.	5	\$2,900	В
ighting							
Interior Lighting Fluorescent	35%		2018	\$411,200	10	\$63,000	В
Fluorescent	Other Observation, Ex	tant · Moderate			10	\$03,000	D
	Location : Througho		пеи Аује	cieu . 10070			
	0	0					
	Explanation : T-12 I	umps	2022	* *	10	<b>\$2</b> 6,000	
Fluorescent	20%		2033		10	\$36,000	В
	Other Observation, Ex Location : Througho		Area Affe	ectea : 100%			
	0						
	Explanation : T-5 La	imps				* - · · - ·	-
Fluorescent	45%		2033	**	10	\$81,000	В
	Other Observation, Ex		area Affe	ected : 100%			
	Location : Througho						
	Explanation : T-8 La	imps					

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

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

### Asset # : 1867

Electrical		Current F	Repair	Futur	e Replacement	Ma	aintenance	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Cod
ighting								
Egress Lighting								
Emergency, Service	40%			2033	* *	1		В
Emergency, Battery	10%			2023	\$8,200	10	\$4,700	В
Exit, LED	30%			2063	* *	1		В
Exit, Service	20%			2023	\$6,600	1		В
Exterior Lighting								
HID	70%			2018	\$57,900	10	\$400	В
HID	30%			2031	**	10	\$200	В
larm	2070			2001		10	¢200	2
Security System								
No Component	70%							D
Generic	30%			2018	\$205,000	1	\$22,000	B
Fire/Smoke Detection	5070			2010	\$203,000	1	<i>\\</i> 22,000	В
No Component	65%							D
Generic	35%			2018	\$818,600	1-3	\$43,700	B
Generie	5570			2018	\$818,000	1-5	\$45,700	D
Mechanical		Current F	Repair	Futur	e Replacement	M	aintenance	
System	% of	Fail Data	Estimated Cost	Voor	Estimated Cost	Cyclo	Estimated Cost	Priorit
Component	Total	(Years)	Estimated Cost	FY	Estimated Cost	(Yrs)	Estimated Cost	Coc
I vpe		( = = = = = = = = = = = = = = = = = = =				(113)		Cou
Type Jeating		()				(113)		COL
Ieating		()				(113)		Cot
leating Energy Source	100%	()			* *			
leating Energy Source Interruptible Gas/Dual	100%	()		2033	* *	1		В
leating Energy Source Interruptible Gas/Dual Fuel	100%	()			**			
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment				2033	**	1	\$4 900	В
Ieating Energy Source Interruptible Gas/Dual Fuel	5%		Sxtent - Light Area	2033 2028	* *		\$4,900	
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment	5% Other Obs	servation, E	Extent : Light, Area	2033 2028	* *	1	\$4,900	В
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment	5% Other Obs Location	servation, E 1 : Roof	_	2033 2028	* *	1	\$4,900	В
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace	5% Other Obs Location Explana	servation, E 1 : Roof	Extent : Light, Area of Mounted Unit	2033 2028 Affected	**	1		B
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment	5% Other Obs Location Explana 95%	servation, E 1 : Roof tion : 1 Roo	of Mounted Unit	2033 2028 Affected 2040	**	1	\$4,900	В
Ieating Energy Source Interruptible Gas/Dual <u>Fuel</u> Conversion Equipment Furnace	5% Other Obs Location <u>Explana</u> 95% Other Obs	ervation, E 1 : Roof tion : 1 Roo servation, E	of Mounted Unit Extent : Light, Area	2033 2028 Affected 2040	**	1		B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace	5% Other Obs Location Explana 95% Other Obs Location	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040	**	1		B
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler	5% Other Obs Location Explana 95% Other Obs Location	ervation, E 1 : Roof tion : 1 Roo servation, E	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040	**	1		B
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution	5% Other Obs Location Explana 95% Other Obs Location Explana	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040 Affected	* * * : 5% * : 95%	1	\$92,400	B B B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump	5% Other Obs Location Explana 95% Other Obs Location Explana 95%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040	**	1		B B B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component	5% Other Obs Location Explana 95% Other Obs Location Explana	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040 Affected	* * * : 5% * : 95%	1	\$92,400	B B B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component Terminal Devices	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040 Affected 2031	** ': 5% ': 95% **	1 1 1 4	\$92,400 \$13,800	B B B D
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component Terminal Devices Air Handler	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040 Affected 2031 2018	** ** ** ** \$852,300	1 1 1 4	\$92,400 \$13,800 \$85,000	B B B D B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component Terminal Devices Air Handler Convector/Radiator	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5% 70% 20%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 <i>Affected</i> 2040 <i>Affected</i> 2031 2018 2028	** ** ** \$852,300 **	1 1 1 4 1 1	\$92,400 \$13,800 \$85,000 \$12,700	B B B D B B B B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component Terminal Devices Air Handler Convector/Radiator Unit Heater-Stm/HW	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5% 70% 20% 5%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040 Affected 2031 2018	** ** ** ** \$852,300	1 1 1 4	\$92,400 \$13,800 \$85,000	B B B D B B B B B B B
leating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component Terminal Devices Air Handler Convector/Radiator Unit Heater-Stm/HW No Component	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5% 70% 20%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 <i>Affected</i> 2040 <i>Affected</i> 2031 2018 2028	** ** ** \$852,300 **	1 1 1 4 1 1	\$92,400 \$13,800 \$85,000 \$12,700	B B B D B B B B
Ieating Energy Source Interruptible Gas/Dual Fuel Conversion Equipment Furnace Hot Water Boiler Distribution Hot Wtr Piping/Pump No Component Terminal Devices Air Handler Convector/Radiator Unit Heater-Stm/HW No Component	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5% 70% 20% 5%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 <i>Affected</i> 2040 <i>Affected</i> 2031 2018 2028	** ** ** \$852,300 **	1 1 1 4 1 1	\$92,400 \$13,800 \$85,000 \$12,700	B B B D B B B B B B B
Heating         Energy Source         Interruptible Gas/Dual         Fuel         Conversion Equipment         Furnace         Hot Water Boiler         Distribution         Hot Water Boiler         Distribution         Hot Wtr Piping/Pump         No Component         Terminal Devices         Air Handler         Convector/Radiator         Unit Heater-Stm/HW         No Component	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5% 70% 20% 5%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 Affected 2040 Affected 2031 2018 2028 2018	** ** ** \$852,300 ** \$72,900	1 1 1 4 1 1	\$92,400 \$13,800 \$85,000 \$12,700	B B B D B B B B B D
Heating         Energy Source         Interruptible Gas/Dual         Fuel         Conversion Equipment         Furnace         Hot Water Boiler         Distribution         Hot Water Boiler         Distribution         Hot Wtr Piping/Pump         No Component         Terminal Devices         Air Handler         Convector/Radiator         Unit Heater-Stm/HW         No Component	5% Other Obs Location Explana 95% Other Obs Location Explana 95% 5% 70% 20% 5%	ervation, E 1 : Roof tion : 1 Roo servation, E 1 : Penthou	of Mounted Unit Extent : Light, Area See	2033 2028 <i>Affected</i> 2040 <i>Affected</i> 2031 2018 2028	** ** ** \$852,300 **	1 1 1 4 1 1	\$92,400 \$13,800 \$85,000 \$12,700	B B B D B B B B B B B

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

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

#### Asset # : 1867

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 Code
ir Conditioning Conversion Equipment Absorption Chiller/Steam/HW	90%			2036	* *	1	\$191,200	В
		R-134a Refrigerant, Extent : Light, Area Affected : 90%						
		: Penthou		A.CC . 1	000/			
		ervation, E : Penthou	Extent : Light, Area	Ајјесіеа	. 90%			
		ion : 2 Un						
Ext Pkg Unit - Heating/Cooling	10%			2023	\$148,900	2	\$1,200	В
Heating/Cooling	R-22 Refri Location	-	tent : Light, Area A	ffected :	10%			
Distribution	Locuiton	. Kooj						
Chilled Wtr Pipe/Pump	90%			2033	* *	4	\$8,700	В
No Component	10%			2000		•	\$0,700	D
Terminal Devices								
Air Handler/Cool/Ht	90%			2018	\$863,200	1	\$109,300	В
No Component	10%							D
Heat Rejection								
Remote Air Cond	10%			2023	\$134,900	2	\$13,700	В
Water Cool Tower	90%			2017	\$583,400	2	\$177,700	В
entilation								
Distribution	1000/			LIPP	* *	2.5	¢100.400	р
Ductwork/Diffusers	100%			LIFE		2-5	\$109,400	В
Exhaust Fans Interior	90%			2018	\$224,700	2	\$5,500	В
Roof	90% 10%			2018	\$18,000	2	\$5,500 \$600	B
lumbing	10/0			2023	\$10,000	2	φυυυ	D
H/C Water Piping								
Brass/Copper	100%			2033	* *	1		В
HW Heat Exchanger								
Low Temp	100%	Now	\$1,400	2033	* *	4	\$19,500	В
			: Moderate, Area A	Affected :	5%			
	Location	: At The V	alve, Penthouse					
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		В
Storm Drain Piping								_
Cast Iron	100%			LIFE	* *	1		В
Sump Pump(s) Rigid Piping	100%			2018	\$10,400	4	\$1,300	В
Sewage Ejector(s) Electric	100%			2023	\$10,400	4	\$2,000	В
Fixtures Generic	100%							В

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.

#### Asset # : 1867

Mechanical	Current Repair	Future	Replacement	M	aintenance	
System Component Type	% of Fail Date Estima Total (Years)	ated Cost Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority Code
Vertical Transport						
Elevators						
Geared Traction	50%	LIFE	* *			С
	Other Observation, Extent : 1 Location : C1, C, C2, 1, 2 Explanation : Two Units	ight, Area Affected .	: 50%			
Hydraulic	50%	LIFE	* *			С
	Other Observation, Extent : 1 Location : C,1, 2 And C2,1 Explanation : 2 Units	ight, Area Affected .	: 50%			
Fire Suppression						
Standpipe						
Generic	100%	2043	* *	1-5	\$99,100	В
Sprinkler						
Generic	100%	2033	* *	1-2	\$55,100	В
Fire Pump						
Generic	100%	2026	* *	1	\$36,700	В