



Funding Needs Report

All Requirements

Site: Milwaukee Public Museum (MPM)

Asset: Milwaukee Public Museum (MPM)

Asset Number: 0060

800 West Wells Street
Milwaukee, WI 53233

Detail of Requirements/Renewals and Funding Needed by Year

Year	System	Requirement Name	Renewal	Non-Renewal	Total		
2018	Architectural	B10 - Superstructure	MPM Waterproofing and Caulking – Garage and Plaza	\$0	\$465,000	\$465,000	
		B2020 - Exterior Windows	Greenhouse Expansion Joint Repair	\$0	\$1,184	\$1,184	
		B2020 - Exterior Windows	Steel Windows Renewal	\$618,963	\$0	\$618,963	
		B2030 - Exterior Doors	Exterior Door Finish Update	\$0	\$2,395	\$2,395	
		C10 - Interior Construction	Fire/Smoke Penetrations	\$0	\$7,832	\$7,832	
		C1010 - Partitions	Mold Removal	\$0	\$17,913	\$17,913	
		C1020 - Interior Doors	Blocked Fire Door	\$0	\$0	\$0	
		C1035 - Identifying Devices	Fittings - Signage (Room Numbering and Identification) Renewal	\$76,228	\$0	\$76,228	
		C3020 - Floor Finishes	IMAX Carpet Flooring Repair	\$0	\$4,741	\$4,741	
			Plumbing	D2020 - Domestic Water Distribution	Water Heater - Steam Semi-Instantaneous Renewal	\$72,249	\$0
		HVAC	D3030 - Cooling Generating Systems	Chiller - Reciprocating wo Cooling Tower Renewal	\$128,653	\$0	\$128,653
			D3030 - Cooling Generating Systems	Trane Air Cooled 100 ton Chiller - Compressor Failure	\$0	\$48,677	\$48,677
			D3030 - Cooling Generating Systems	Refrigeration G08 Animal Hide Freezer	\$0	\$21,997	\$21,997
			D3030 - Cooling Generating Systems	Chiller - Helical Rotary 300 Ton Renewal	\$296,609	\$0	\$296,609
			D3040 - Distribution Systems	Steam Trap Survey	\$0	\$7,284	\$7,284
			D3040 - Distribution Systems	Supply Fan 6 - Outside Air Intake	\$0	\$1,551	\$1,551
			D3040 - Distribution Systems	Supply Fan Rm G96 - Bag Lunch	\$0	\$82,041	\$82,041
			D3040 - Distribution Systems	Exhaust System - General Building Renewal	\$135,601	\$0	\$135,601
			D3040 - Distribution Systems	Supply Fan 601	\$0	\$115,518	\$115,518
		D3060 - Controls and Instrumentation	DDC System - Controls Renewal	\$424,153	\$0	\$424,153	
	Fire Protection	D40 - Fire Protection	Fire Extinguishers - Dry Chem w/Cabinet (SF) Renewal	\$9,803	\$0	\$9,803	
		D4012 - Sprinkler Pumping Equipment	Fire Pump Controller	\$0	\$483	\$483	
		D4031 - Fire Extinguishers	Fire Extinguisher Certification Update & Wall Mount	\$0	\$980	\$980	

Year	System	Requirement Name	Renewal	Non-Renewal	Total		
2018	Electrical	D5010 - Electrical Service and Distribution	Small Electrical Repairs (Combined)	\$0	\$60,779	\$60,779	
		D5011 - High Tension Service and Dist.	Main Electrical Service - 600A 15kV Renewal	\$482,623	\$0	\$482,623	
		D5011 - High Tension Service and Dist.	USS-V	\$0	\$185	\$185	
		D5012 - Low Tension Service and Dist.	MTS-1	\$0	\$399	\$399	
		D5021 - Branch Wiring Devices	Small Electrical Repairs (Combined)	\$0	\$21,059	\$21,059	
		D5022 - Lighting Equipment	Small Repairs (Combined)	\$0	\$576	\$576	
		D5031 - Public Address and Music Systems	Public Address System - Light Density Renewal	\$380,383	\$0	\$380,383	
		D5037 - Fire Alarm Systems	Fire Alarm System	\$0	\$556	\$556	
		D5037 - Fire Alarm Systems	Fire Alarm System - High Density Renewal	\$158,647	\$0	\$158,647	
		D5038 - Security and Detection Systems	Security System - High Density Renewal	\$102,148	\$0	\$102,148	
		D5092 - Emergency Light and Power Systems	UPS System 120V Single Phase - per kVA Renewal	\$36,283	\$0	\$36,283	
		Subtotal for 2018			\$2,922,343	\$861,150	\$3,783,493
		Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$756,699
		Construction General Conditions and Overhead and Profit - 20% =					\$756,699
		Design and Construction Contingency - 10% =					\$378,349
Estimated Total Projects Cost for 2018 =					\$5,675,240		

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2019	Electrical	D5092 - Emergency Light and Power Systems	Emergency Battery Pack Lights Renewal	\$6,714	\$0	\$6,714
		D5092 - Emergency Light and Power Systems	Exit Signs - Average Density Renewal	\$36,114	\$0	\$36,114
		Subtotal for 2019			\$42,828	\$0
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$8,566	
Construction General Conditions and Overhead and Profit - 20% =					\$8,566	
Design and Construction Contingency - 10% =					\$4,283	
Estimated Total Projects Cost for 2019 =					\$64,241	

Year	System	Requirement Name	Renewal	Non-Renewal	Total		
2020	Architectural	A - Substructure	Concrete Crack Repair	\$0	\$9,793	\$9,793	
		B10 - Superstructure	Exterior Metal Finish Update	\$0	\$18,820	\$18,820	
		B2010 - Exterior Walls	Limestone Façade Repair and Maintenance	\$0	\$495,538	\$495,538	
		B2010 - Exterior Walls	Replace IMAX Concrete Panel Joint Sealant	\$0	\$23,210	\$23,210	
		B2010 - Exterior Walls	Parapet Wall Tuckpointing	\$0	\$19,690	\$19,690	
		B2020 - Exterior Windows	Greenhouse Glass Repair and Frame Maintenance	\$0	\$14,379	\$14,379	
		B2020 - Exterior Windows	Greenhouse Downspout Replacement	\$0	\$215	\$215	
		B30 - Roofing	Metal Roof Finish Update	\$0	\$3,148	\$3,148	
		B30 - Roofing	Parapet Flashing & Caulk Replacement	\$0	\$17,236	\$17,236	
		B30 - Roofing	BUR Gravel Replacement	\$0	\$40,580	\$40,580	
		C1010 - Partitions	Repair & Refinish Gypboard Wall	\$0	\$1,204	\$1,204	
		C1010 - Partitions	CMU Wall Repair	\$0	\$26,312	\$26,312	
		C3010 - Wall Finishes	Mold Removal	\$0	\$4,376	\$4,376	
		C3020 - Floor Finishes	Mezzanine Floor Tile Replacement	\$0	\$130,849	\$130,849	
		C3020 - Floor Finishes	Wood Flooring - Premium Renewal	\$65,275	\$0	\$65,275	
		C3020 - Floor Finishes	Painted Concrete Floor Finish Update	\$0	\$19,134	\$19,134	
		C3020 - Floor Finishes	Office Carpet Replacement	\$0	\$6,768	\$6,768	
		C3030 - Ceiling Finishes	Repair & Refinish Plaster Ceiling	\$0	\$9,897	\$9,897	
		C3030 - Ceiling Finishes	Replace Damaged/Missing Ceiling Tile	\$0	\$10,130	\$10,130	
		C3030 - Ceiling Finishes	ACT System - Deluxe Renewal	\$1,042,703	\$0	\$1,042,703	
		C3030 - Ceiling Finishes	Replace Missing Diffuser	\$0	\$375	\$375	
		C3030 - Ceiling Finishes	Ceiling Finish Update	\$0	\$2,388	\$2,388	
		Plumbing	D2020 - Domestic Water Distribution	Plumbing Leak	\$0	\$2,171	\$2,171
			D2040 - Rain Water Drainage	Roof Drainage - Gravity - Average Renewal	\$168,354	\$0	\$168,354
		HVAC	D3030 - Cooling Generating Systems	Chiller - Centrifugal w/Cooling Tower Renewal	\$708,637	\$0	\$708,637
	D3040 - Distribution Systems		Supply Fan B 3 Replacement	\$0	\$33,553	\$33,553	
	D3040 - Distribution Systems		Cabinet Unit Heater - 124	\$0	\$833	\$833	
	D3040 - Distribution Systems		Four Pipe Distribution System w/Pump Renewal	\$1,893,664	\$0	\$1,893,664	
	D3040 - Distribution Systems		Central AHU - Const Volume w/Distribution Renewal	\$1,967,764	\$0	\$1,967,764	
	D3040 - Distribution Systems		Supply Fan 2-2 AC condensate to roof	\$0	\$2,247	\$2,247	
	D3040 - Distribution Systems		IMAX Relief Fan 2 Damper Actuator-missing	\$0	\$689	\$689	
	D3040 - Distribution Systems		Supply Fan 2-1	\$0	\$1,065	\$1,065	
	D3040 - Distribution Systems		Cabinet & Booster Heaters Rebuild / Bldg	\$0	\$237,930	\$237,930	
	Electrical	D50 - Electrical	Door Bell Buton Not Working	\$0	\$249	\$249	
		D5010 - Electrical Service and Distribution	Small Repairs (Combined)	\$0	\$2,352	\$2,352	
		D5010 - Electrical Service and Distribution	Distribution System - Medium Capacity Renewal	\$2,494,807	\$0	\$2,494,807	
		D5021 - Branch Wiring Devices	Branch Wiring - Equipment & Devices Renewal	\$463,208	\$0	\$463,208	
		D5021 - Branch Wiring Devices	Small Repairs (Combined)	\$0	\$1,129	\$1,129	
		D5022 - Lighting Equipment	Lighting Fixtures - Heavy Density Renewal	\$696,168	\$0	\$696,168	
		D5033 - Telephone Systems	Telephone System - Light Density Renewal	\$110,436	\$0	\$110,436	
	D5039 - Local Area Networks	D5039 - LAN System - Light Density Renewal	\$152,268	\$0	\$152,268		
	Equipment	E - Equipment and Furnishings	Replace Lab Sinks	\$0	\$7,062	\$7,062	
		E10 - Equipment	Access Ladder Renewal	\$589	\$0	\$589	
	Site	G2021 - Bases and Sub-Bases	Parking Lot Flexible Pavement - Intermediate Course Renewal	\$20,712	\$0	\$20,712	
		G2025 - Markings and Signage	Parking Lot - Traffic Control - Painted Pavement Markings Renewal	\$2,295	\$0	\$2,295	
Subtotal for 2020			\$9,786,879	\$1,143,325	\$10,930,204		
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$2,186,041		
Construction General Conditions and Overhead and Profit - 20% =					\$2,186,041		
Design and Construction Contingency - 10% =					\$1,093,020		
Estimated Total Projects Cost for 2020 =					\$16,395,307		

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2021	Electrical	D5092 - Emergency Light and Power Systems	UPS System 120V Single Phase - per kVA Renewal	\$50,587	\$0	\$50,587
		Subtotal for 2021			\$50,587	\$0
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$10,117	
Construction General Conditions and Overhead and Profit - 20% =					\$10,117	
Design and Construction Contingency - 10% =					\$5,059	
Estimated Total Projects Cost for 2021 =					\$75,880	

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2022	Electrical	D5022 - Lighting Equipment	Stage Lighting Renewal	\$523,606	\$0	\$523,606
		Subtotal for 2022			\$523,606	\$0
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$104,721	
Construction General Conditions and Overhead and Profit - 20% =					\$104,721	
Design and Construction Contingency - 10% =					\$52,361	
Estimated Total Projects Cost for 2022 =					\$785,408	

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2025	Architectural	B2010 - Exterior Walls	Precast Concrete Panels - Low-Rise Renewal	\$280,608	\$0	\$280,608
		B2010 - Exterior Walls	Stone Veneer Walls - Deluxe Renewal	\$1,078,309	\$0	\$1,078,309
		B2020 - Exterior Windows	Vivarium Metal Finishes Cleaning	\$0	\$215	\$215
		B2030 - Exterior Doors	Overhead Rolling Doors - Electric Operation Renewal	\$19,907	\$0	\$19,907
		B2030 - Exterior Doors	Door Assembly - 3 x 7 HM Renewal	\$39,412	\$0	\$39,412
		B30 - Roofing	BUR (Built-Up Roofing) Renewal	\$233,947	\$0	\$233,947
		B30 - Roofing	Single-Ply EPDM Renewal	\$598,029	\$0	\$598,029
		C10 - Interior Construction	Restroom - Complete - Double Renewal	\$1,126,218	\$0	\$1,126,218
		C1010 - Partitions	Folding Partitions Renewal	\$21,187	\$0	\$21,187
		C1010 - Partitions	GWB 2HR Rated Walls Renewal	\$26,588	\$0	\$26,588
		C20 - Stairs	Handrail Finish Update	\$0	\$599	\$599
		C20 - Stairs	Stairs - High End Renewal	\$16,531	\$0	\$16,531
		C3010 - Wall Finishes	Painted Finish - Average (1 Coat Prime - 2 Coats Finish) Renewal	\$229,830	\$0	\$229,830
		C3010 - Wall Finishes	Refinish Wood Paneling	\$0	\$2,912	\$2,912
		C3010 - Wall Finishes	Wall Covering and Base Replacement	\$0	\$7,814	\$7,814
		C3010 - Wall Finishes	Painted Concrete Wall Finish Update	\$0	\$1,188	\$1,188
		C3010 - Wall Finishes	Ceramic Tile Renewal	\$235,172	\$0	\$235,172
		C3020 - Floor Finishes	Carpeting - Broadloom - Medium Range Renewal	\$420,871	\$0	\$420,871
		C3020 - Floor Finishes	Replace Vinyl Tile Flooring	\$0	\$15,046	\$15,046
		C3020 - Floor Finishes	Vinyl Sheet Goods Renewal	\$46,241	\$0	\$46,241
		C3020 - Floor Finishes	Ceramic/Stone Base Repair	\$0	\$8,951	\$8,951
		C3020 - Floor Finishes	Terrazzo - Cast-in-Place Renewal	\$172,202	\$0	\$172,202
		C3020 - Floor Finishes	Concrete - Painted Renewal	\$164,237	\$0	\$164,237
		C3030 - Ceiling Finishes	Refinish Kitchen Ceiling Tile	\$0	\$5,781	\$5,781

Conveying	D1020 - Escalators and Moving Walks	Escalator - Deluxe Renewal	\$2,064,563	\$0	\$2,064,563
Plumbing	D2010 - Plumbing Fixtures	Water Coolers - Wall-Mount Dual-Height (SF) Renewal	\$58,129	\$0	\$58,129
	D2010 - Plumbing Fixtures	Restroom Fixtures - Group Locker Room Showers - 6 Heads Renewal	\$26,055	\$0	\$26,055
	D2010 - Plumbing Fixtures	Custodial/Utility Sinks Renewal	\$51,832	\$0	\$51,832
	D2010 - Plumbing Fixtures	Kitchenette - Cabinet, Counter and Sink Renewal	\$32,084	\$0	\$32,084
	D2010 - Plumbing Fixtures	Emergency Eyewash (Each) Renewal	\$36,886	\$0	\$36,886
	D2020 - Domestic Water Distribution	Pressure Booster Pump - Triplex 15 HP Renewal	\$63,678	\$0	\$63,678
	D2020 - Domestic Water Distribution	IMAX Insulate domestic water piping	\$0	\$4,212	\$4,212
	D2020 - Domestic Water Distribution	Steam Converter & Condensate heat exchanger-Replacement	\$0	\$126,143	\$126,143
	D2020 - Domestic Water Distribution	Water Dist Complete - Average Renewal	\$1,490,760	\$0	\$1,490,760
	D2030 - Sanitary Waste	Sanitary Waste - Gravity Disch - High Density Renewal	\$2,669,483	\$0	\$2,669,483
HVAC	D3012 - Gas Supply System	Natural Gas Service to Bldg - 2" Feed (Each) Renewal	\$4,980	\$0	\$4,980
	D3030 - Cooling Generating Systems	Condensing Units Using Refrigerant-22	\$0	\$50,272	\$50,272
	D3030 - Cooling Generating Systems	Chiller Lakos Filter - Gage	\$0	\$350	\$350
	D3030 - Cooling Generating Systems	Trane Air Cooled 300 Ton Chiller Replacement	\$0	\$228,797	\$228,797
	D3030 - Cooling Generating Systems	Trane Air Cooled 100 Ton Chiller - air flow	\$0	\$2,796	\$2,796
	D3030 - Cooling Generating Systems	Trane Air Cooled 100 ton Chiller Replacement	\$0	\$102,098	\$102,098
	D3040 - Distribution Systems	Exhaust System - Restroom w/Roof Fan Renewal	\$139,511	\$0	\$139,511
	D3040 - Distribution Systems	Airflow Measuring-Photohelic Gages	\$0	\$1,941	\$1,941
	D3040 - Distribution Systems	AHU Coil Cleaning	\$0	\$4,505	\$4,505
	D3040 - Distribution Systems	Steam System Actuator Leaking	\$0	\$300	\$300
	D3040 - Distribution Systems	Heat Recovery Unit Failure IMAX HR-1	\$0	\$20,699	\$20,699
	D3040 - Distribution Systems	Steam Piping and Condensate Return Renewal	\$563,135	\$0	\$563,135
	D3040 - Distribution Systems	Central AHU - VAV System w/Distribution Renewal	\$3,593,372	\$0	\$3,593,372
	D3060 - Controls and Instrumentation	Airflow Measuring Station-Ebtron	\$0	\$4,484	\$4,484
Fire Protection	D40 - Fire Protection	Dry Standpipe System Renewal	\$154,515	\$0	\$154,515
	D40 - Fire Protection	Fire Pump - Electric 40 HP Renewal	\$27,781	\$0	\$27,781
	D40 - Fire Protection	Fire Protection Equipment	\$0	\$81,651	\$81,651
Electrical	D50 - Electrical	Electrical: Old Well Equipment	\$0	\$910	\$910
	D5010 - Electrical Service and Distribution	PANEL - LOG CABIN LTS	\$0	\$326	\$326
	D5010 - Electrical Service and Distribution	STARTER - VENT UNIT B-3	\$0	\$3,100	\$3,100
	D5010 - Electrical Service and Distribution	ATS - FAN CD-2	\$0	\$289	\$289
Equipment	E - Equipment and Furnishings	Laboratory Equipment - Basic Business Renewal	\$998,611	\$0	\$998,611
	E - Equipment and Furnishings	Loading Dock Equipment Renewal	\$51,809	\$0	\$51,809
	E - Equipment and Furnishings	Fixed Casework - Institutional - High End Renewal	\$1,436,162	\$0	\$1,436,162
	E - Equipment and Furnishings	Fixed Casework - Institutional - High End Renewal	\$268,083	\$0	\$268,083
	E - Equipment and Furnishings	Fixed Seating - Average (Lecture Hall) Renewal	\$51,085	\$0	\$51,085
	E - Equipment and Furnishings	Food Service Counter - High End Renewal	\$116,830	\$0	\$116,830
	E - Equipment and Furnishings	Fixed Seating - Average (IMAX) Renewal	\$46,380	\$0	\$46,380
Site	G2014 - Guardrails and Barriers	Roadway - Traffic Barriers - Pipe Bollards Renewal	\$3,870	\$0	\$3,870
	G2022 - Paving and Surfacing	Parking Lot Flexible Pavement - Surface Course Renewal	\$39,422	\$0	\$39,422
	G2024 - Parking Booths and Equipment	Parking Lot - Access Control - Parking Gate Arms - Two Lane Renewa	\$15,385	\$0	\$15,385
	G2041 - Fences and Gates	Site Development - Fencing - Chain Link Renewal	\$3,732	\$0	\$3,732
	G2055 - Planting	Landscaping - Trees and Bushes Renewal	\$9,513	\$0	\$9,513
	G2056 - Planters	Landscaping - Ground Bedding - Planting Renewal	\$15,412	\$0	\$15,412
Subtotal for 2025			\$18,742,346	\$675,377	\$19,417,724
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$3,883,545
Construction General Conditions and Overhead and Profit - 20% =					\$3,883,545
Design and Construction Contingency - 10% =					\$1,941,772
Estimated Total Projects Cost for 2025 =					\$29,126,585

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2026	HVAC	D3050 - Terminal and Package Units	Rooftop Unitary AC - Cooling w/Gas Heat < 10 Ton Renewal	\$165,065	\$0	\$165,065
		Electrical	D5010 - Electrical Service and Distribution	Switchgear - Average Duty Renewal	\$231,413	\$0
	D5010 - Electrical Service and Distribution		Unit Substation USS-V Renewal	\$105,738	\$0	\$105,738
	D5010 - Electrical Service and Distribution		Medium Voltage Transformers Renewal	\$150,264	\$0	\$150,264
			Subtotal for 2026	\$652,481	\$0	\$652,481
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$130,496
					Construction General Conditions and Overhead and Profit - 20% =	\$130,496
					Design and Construction Contingency - 10% =	\$65,248
					Estimated Total Projects Cost for 2026 =	\$978,721

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2027	Electrical	D5037 - Fire Alarm Systems	Fire Alarm System - High Density Renewal	\$181,395	\$0	\$181,395
		D5038 - Security and Detection Systems	Security System - High Density Renewal	\$116,795	\$0	\$116,795
		D5092 - Emergency Light and Power Systems	UPS System 120V Single Phase - per kVA Renewal	\$41,485	\$0	\$41,485
			Subtotal for 2027	\$339,676	\$0	\$339,676
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$67,935
					Construction General Conditions and Overhead and Profit - 20% =	\$67,935
					Design and Construction Contingency - 10% =	\$33,968
					Estimated Total Projects Cost for 2027 =	\$509,513

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2028	Architectural	C1035 - Identifying Devices	Fittings - Signage (Room Numbering and Identification) Renewal	\$88,466	\$0	\$88,466
					Subtotal for 2028	\$88,466
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$17,693
					Construction General Conditions and Overhead and Profit - 20% =	\$17,693
					Design and Construction Contingency - 10% =	\$8,847
					Estimated Total Projects Cost for 2028 =	\$132,699

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2029	Electrical	D5092 - Emergency Light and Power Systems	Emergency Battery Pack Lights Renewal	\$7,792	\$0	\$7,792
		D5092 - Emergency Light and Power Systems	Exit Signs - Average Density Renewal	\$41,912	\$0	\$41,912
			Subtotal for 2029	\$49,703	\$0	\$49,703
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$9,941
					Construction General Conditions and Overhead and Profit - 20% =	\$9,941
					Design and Construction Contingency - 10% =	\$4,970
					Estimated Total Projects Cost for 2029 =	\$74,555

Year	System	Requirement Name	Renewal	Non-Renewal	Total		
2030	Architectural	B1020 - Roof Construction	Fall Protection - Rooftop Guardrails Renewal	\$16,767	\$0	\$16,767	
		B2020 - Exterior Windows	Aluminum Greenhouse Windows Renewal	\$267,962	\$0	\$267,962	
		B2030 - Exterior Doors	Door Assembly - 6 x 7 Storefront Renewal	\$196,658	\$0	\$196,658	
		B2030 - Exterior Doors	Door Assembly - 6 x 7 HM Renewal	\$67,925	\$0	\$67,925	
		B2030 - Exterior Doors	Automatic Openers - Single Renewal	\$59,725	\$0	\$59,725	
		B2030 - Exterior Doors	Door Assembly - 3 x 7 Storefront Renewal	\$28,827	\$0	\$28,827	
		C10 - Interior Construction	Restroom - Complete - Single Renewal	\$63,039	\$0	\$63,039	
		C1010 - Partitions	CMU Block Walls - Plain Renewal	\$4,181,555	\$0	\$4,181,555	
		C1010 - Partitions	GWB Partitions On Furring Renewal	\$1,666,505	\$0	\$1,666,505	
		C1010 - Partitions	Plaster Walls - Thin Coat Renewal	\$317,177	\$0	\$317,177	
		C1020 - Interior Doors	Swinging Doors - 3 x 7 HM - NR Renewal	\$431,912	\$0	\$431,912	
		C1020 - Interior Doors	Swinging Doors - 3 x 7 Wd - NR Renewal	\$559,934	\$0	\$559,934	
		C1020 - Interior Doors	Swinging Doors - 3 x 7 - Half Glass Renewal	\$63,756	\$0	\$63,756	
		C1020 - Interior Doors	Doors - Deluxe Renewal	\$67,914	\$0	\$67,914	
		C3010 - Wall Finishes	Marble Finish Renewal	\$1,052,981	\$0	\$1,052,981	
		C3010 - Wall Finishes	Painted Finish - Average (1 Coat Prime - 2 Coats Finish) Renewal	\$990,368	\$0	\$990,368	
		C3010 - Wall Finishes	Raised Wood Paneling - High End Renewal	\$193,845	\$0	\$193,845	
		C3010 - Wall Finishes	Wall Covering - Linen Renewal	\$279,210	\$0	\$279,210	
		C3010 - Wall Finishes	Paint Masonry/Epoxy Finish - Economy Renewal	\$1,917,091	\$0	\$1,917,091	
		C3020 - Floor Finishes	Concrete - Painted Renewal	\$176,930	\$0	\$176,930	
		C3020 - Floor Finishes	Wood Flooring - Average Renewal	\$307,133	\$0	\$307,133	
		C3020 - Floor Finishes	Ceramic Tile Renewal	\$917,161	\$0	\$917,161	
		C3020 - Floor Finishes	VCT - Average Renewal	\$365,106	\$0	\$365,106	
		C3030 - Ceiling Finishes	GWB Taped and Finished Renewal	\$91,250	\$0	\$91,250	
		C3030 - Ceiling Finishes	Painted Plaster Renewal	\$2,215,910	\$0	\$2,215,910	
		Conveying	D1010 - Elevators and Lifts	Hydraulic Passenger Elev - Economy Renewal	\$360,819	\$0	\$360,819
			D1010 - Elevators and Lifts	Traction Geared Passenger Elev - Low-Rise Renewal	\$711,437	\$0	\$711,437
			D1013 - Lifts	Wheelchair Lift Renewal	\$41,232	\$0	\$41,232
		Electrical	D5033 - Telephone Systems	Telephone System - Light Density Renewal	\$128,165	\$0	\$128,165
		Equipment	E - Equipment and Furnishings	Theater And Stage Equipment - Economy Renewal	\$179,125	\$0	\$179,125
			E - Equipment and Furnishings	Theater Curtains - Electrically Operated Renewal	\$104,170	\$0	\$104,170
			E - Equipment and Furnishings	Kitchen Equipment - Average Renewal	\$83,179	\$0	\$83,179
			E - Equipment and Furnishings	Point of Sales Systems Renewal	\$172,108	\$0	\$172,108
Site	G2025 - Markings and Signage	Parking Lot - Traffic Control - Painted Pavement Markings Renewal	\$2,663	\$0	\$2,663		
	G2031 - Paving and Surfacing	Pedestrian Pavement - Concrete Renewal	\$22,604	\$0	\$22,604		
Subtotal for 2030			\$18,302,142	\$0	\$18,302,142		
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$3,660,428		
Construction General Conditions and Overhead and Profit - 20% =					\$3,660,428		
Design and Construction Contingency - 10% =					\$1,830,214		
Estimated Total Projects Cost for 2030 =					\$27,453,213		

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2031	Electrical	D5092 - Emergency Light and Power Systems	UPS System 120V Single Phase - per kVA Renewal	\$58,708	\$0	\$58,708
		Subtotal for 2031			\$58,708	\$0
Project Management, Owner Services, Planning and Design, and Construction Management - 20% =					\$11,742	
Construction General Conditions and Overhead and Profit - 20% =					\$11,742	
Design and Construction Contingency - 10% =					\$5,871	
Estimated Total Projects Cost for 2031 =					\$88,062	

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2032	Electrical	D5031 - Public Address and Music Systems	Public Address System - Light Density Renewal	\$468,538	\$0	\$468,538
		D5092 - Emergency Light and Power Systems	Emergency Generator - per kW Renewal	\$125,857	\$0	\$125,857
			Subtotal for 2032	\$594,395	\$0	\$594,395
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$118,879
					Construction General Conditions and Overhead and Profit - 20% =	\$118,879
					Design and Construction Contingency - 10% =	\$59,440
					Estimated Total Projects Cost for 2032 =	\$891,593

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2033	Plumbing	D2020 - Domestic Water Distribution	Water Heater - Steam Semi-Instantaneous Renewal	\$90,328	\$0	\$90,328
					Subtotal for 2033	\$90,328
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$18,066
					Construction General Conditions and Overhead and Profit - 20% =	\$18,066
					Design and Construction Contingency - 10% =	\$9,033
					Estimated Total Projects Cost for 2033 =	\$135,492

Year	System	Requirement Name	Renewal	Non-Renewal	Total		
2035	Architectural	B2013 - Exterior Louvers, Screens, and Fencing	Metal Wall Louvers Renewal	\$8,068	\$0	\$8,068	
		B2020 - Exterior Windows	Curtain Wall System - Standard Renewal	\$289,743	\$0	\$289,743	
		C1020 - Interior Doors	Swinging Doors - Security Vault Renewal	\$11,003	\$0	\$11,003	
		C20 - Stairs	Stairs - Average Renewal	\$379,097	\$0	\$379,097	
		C20 - Stairs	Stairs - Spiral Renewal	\$6,022	\$0	\$6,022	
		C3010 - Wall Finishes	Painted Finish - Average (1 Coat Prime - 2 Coats Finish) Renewal	\$266,727	\$0	\$266,727	
		C3020 - Floor Finishes	Carpeting - Broadloom - Medium Range Renewal	\$488,437	\$0	\$488,437	
		C3020 - Floor Finishes	Concrete - Painted Renewal	\$190,604	\$0	\$190,604	
		HVAC	D3030 - Cooling Generating Systems	Chiller - Helical Rotary 300 Ton Renewal	\$382,038	\$0	\$382,038
			D3060 - Controls and Instrumentation	DDC System - Controls Renewal	\$546,318	\$0	\$546,318
	Electrical	D5039 - Local Area Networks	D5039 - LAN System - Light Density Renewal	\$190,370	\$0	\$190,370	
			Subtotal for 2035	\$2,758,426	\$0	\$2,758,426	
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$551,685	
					Construction General Conditions and Overhead and Profit - 20% =	\$551,685	
					Design and Construction Contingency - 10% =	\$275,843	
					Estimated Total Projects Cost for 2035 =	\$4,137,640	

Year	System	Requirement Name	Renewal	Non-Renewal	Total	
2036	Architectural	A - Substructure	Foundation Wall and Footings 16-Ft - Full Basement Renewal	\$63,851	\$0	\$63,851
		Site	G9011 - Service Tunnels	Service Tunnels - Utility Tunnels - Concrete Renewal	\$16,545	\$0
			Subtotal for 2036	\$80,396	\$0	\$80,396
					Project Management, Owner Services, Planning and Design, and Construction Management - 20% =	\$16,079
					Construction General Conditions and Overhead and Profit - 20% =	\$16,079
					Design and Construction Contingency - 10% =	\$8,040
					Estimated Total Projects Cost for 2036 =	\$120,594

Year		System	Requirement Name	Renewal	Non-Renewal	Total
2037	Architectural	C3020 - Floor Finishes	Vinyl Sheet Goods Renewal	\$55,286	\$0	\$55,286
		Electrical	D5037 - Fire Alarm Systems	Fire Alarm System - High Density Renewal	\$210,516	\$0
		D5038 - Security and Detection Systems	Security System - High Density Renewal	\$135,546	\$0	\$135,546
		D5092 - Emergency Light and Power Systems	UPS System 120V Single Phase - per kVA Renewal	\$48,145	\$0	\$48,145
			Subtotal for 2037	\$449,494	\$0	\$449,494
			Project Management, Owner Services, Planning and Design, and Construction Management - 20% =			\$89,899
			Construction General Conditions and Overhead and Profit - 20% =			\$89,899
			Design and Construction Contingency - 10% =			\$44,949
			Estimated Total Projects Cost for 2037 =			\$674,240