

BROOKFIELD PUBLIC SCHOOLS

10-Year Capital Requests

DRAFT as of 11/13/23

Changes since 10/18/23 are indicated in blue.

The timing of these project will be informed by the outcome of the Architectural Services for conceptual design schematics.

The timing of these project will be informed by the outcome of the Engineering Design for A/C.

Location	Area	Marx / Okubo #	Item	Description	Escalation Factor:										Total
					1.000 Year 1 2024-2025	1.030 Year 2 2025-2026	1.061 Year 3 2026-2027	1.093 Year 4 2027-2028	1.126 Year 5 2028-2029	1.159 Year 6 2029-2030	1.194 Year 7 2030-2031	1.230 Year 8 2031-2032	1.267 Year 9 2032-2033	1.305 Year 10 2033-2034	
BROOKFIELD HIGH SCHOOL															
BHS	Design		Architectural Services	Architectural services for a conceptual design schematic to address the following: energy efficiency updates, building envelope and passive solar, and fenestration of main facade renovation with enhanced security.	\$25,000										\$25,000
BHS	Envelope / Exterior	19	Windows	Replacement of single-pane aluminum windows			\$206,900	\$213,100	\$219,500						\$639,500
BHS	Envelope / Exterior	22	Windows	Replacement of cafeteria windows										\$61,100	\$61,100
BHS	Envelope / Exterior	24	Windows	Replacement of vinyl windows @ southwest wing								\$174,000			\$174,000
BHS	Mechanical	61	Lighting	Perform an interior lighting upgrade program.		\$412,000									\$412,000
BHS	Design	51	Engineering Design	Feasibility study and preliminary engineering design to provide cooling to 100% of the building	\$25,000										\$25,000
BHS	Mechanical	43	Gym UVs	Replacement of 2 UVs, removal of 2 abandoned UVs, modifications to supply ductwork and controls, allowance for engineering oversight and temporary access.		\$92,700									\$92,700
BHS	Mechanical	52	Unit Ventilators	Phased replacement of all classroom UVs	\$40,200	\$41,500	\$42,700	\$44,000	\$45,300	\$46,700	\$48,100	\$49,500	\$51,000	\$52,500	\$461,500
BHS	Envelope / Exterior	6, 13	Roof	Section D (library) (based on current pricing for guidance wing roof)	\$381,900										\$381,900
BHS	Envelope / Exterior	7, 13	Roof	Section R (classrooms) (based on current pricing for guidance wing roof)			\$562,300								\$562,300
BHS	Envelope / Exterior	10, 13	Roof	2006/08 Roof Section - roof overlay									\$180,900		\$180,900
BHS	Envelope / Exterior	9, 13	Roof	Section B/C/E/P/H/O/V/W						\$868,100					\$868,100
BHS	Envelope / Exterior	16	Chimney	Removal of decommissioned chimney; between roof sections E and F						\$29,000					\$29,000
BHS	Mechanical	53	Condensers	Replace all condensing units on north roof.			\$42,400	\$43,600							\$86,000
BHS	Mechanical	54	Condensers	Replace condenser on grade at south side of building.				\$13,200							\$13,200
BHS	Mechanical	55	Rooftop Units	Replace rooftop package units based on age and EUL		\$25,000	\$25,500	\$26,300	\$27,100						\$103,900
BHS	Interior	36	Ceiling Tiles	To be replaced w/ roof sections	\$30,000										\$30,000
BHS	Mechanical		BMS	Tie in rooftop units to BMS (needed to complete an existing project)	\$100,000										\$100,000
BHS	Mechanical	64	Fire Alarm Control Panel	Manufacturer discontinued panel in 2010; still operational but should be upgraded.					\$337,700						\$337,700
BHS	Envelope / Exterior	29, 30, 31	Doors	Repair/replace exterior doors, door frames, overhead door for utility/sports equipment room.		\$30,900									\$30,900
BHS	Mechanical		Boiler	Boiler				\$82,000							\$82,000
BHS	Mechanical		Oil Tank	Removal & replacement of 10,000 gallon underground oil tank	\$500,000										\$500,000
BHS	Mechanical	42	RCx	Retro-commissioning of mechanicals (calibration, adjustment, testing, low-cost modifications). Recommended every 10 years.							\$71,700				\$71,700
BHS	Interior	38	Restrooms	3 restrooms per year until complete	\$165,000			\$180,300	\$185,800		\$394,100	\$203,000	\$209,100	\$215,300	\$1,552,600
BHS	Technology		WiFi	WiFi infrastructure upgrade including access points, wiring, labor, controllers, servers. Likely subject to e-Rate funding (currently 50%)							\$136,800				\$136,800
TOTAL BROOKFIELD HIGH SCHOOL					\$1,267,100	\$602,100	\$879,800	\$602,500	\$815,400	\$943,800	\$650,700	\$252,500	\$434,100	\$509,800	\$6,957,800

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WHISCONIER MIDDLE SCHOOL

WMS	Design		Architectural Services	Architectural services for a conceptual design schematic to address the following: energy efficiency updates, building envelope and passive solar, and fenestration of main facade renovation with enhanced security.	\$25,000															\$25,000	
WMS	Envelope / Exterior	17, 18, 19	Windows	Window replacements				\$72,500	\$74,700												\$147,200
WMS	Design	36	Engineering Design	Feasibility study and preliminary engineering design to provide cooling to 100% of the building	\$25,000																\$25,000
WMS	Envelope / Exterior	5, 7	Roof	Sections A/C/D/E/F (based on current pricing of BHS guidance wing roof)	\$562,000	\$229,000	\$235,900	\$243,000													\$1,269,900
WMS	Envelope / Exterior	9	Roof	Sections B/K/Q			\$193,100	\$198,900	\$204,900												\$596,900
WMS	Envelope / Exterior	30	Rooftop Units	Replace 4 large rooftop units at end of EUL		\$92,700	\$95,500	\$98,400	\$101,300												\$387,900
WMS	Envelope / Exterior	30	Rooftop Units	Replace 7 small to medium rooftop units at end of EUL		\$18,600	\$19,100	\$19,700	\$20,300	\$20,900	\$21,500	\$22,200									\$142,300
WMS	Interior	28	Ceiling Tiles	To be replaced w/ roof sections	\$30,000																\$30,000
WMS	Mechanical	35	Unit Ventilators	Phased replacement of all classroom UVs	\$45,000	\$46,400	\$47,800	\$49,200	\$50,700	\$52,200	\$53,800	\$55,400	\$57,100	\$58,800							\$516,400
WMS	Interior	27	Gym Floor	Remove current flooring and replace w/ synthetic cushioned seamless flooring		\$154,500															\$154,500
WMS	Interior	26	Cafeteria Floor	Additional prep work needed to replace cafeteria floor (concrete prep and moisture barrier). \$35K currently in 2023 CapX Budget for this project.	\$35,900																\$35,900
WMS	Interior		Seminar Room	Replace flooring and seating in seminar room \$20K currently in 2023 CapX Budget for this project.		\$376,000															\$376,000
WMS	Mechanical	39	Water	Domestic water service upgrade including new water service from Aquarion.		\$618,000															\$618,000
WMS	Mechanical		Oil Tank	Removal & replacement of 10,000 gallon underground oil tank			\$530,500														\$530,500
WMS	Mechanical	29	Boiler	Replace 1 currently inoperable boiler to bring facility up to 2 functioning boiler units (critical for redundancy in the system)	\$225,000																\$225,000
WMS	Mechanical	46	Fire Alarm Control Panel	Replace at end of EUL							\$29,900										\$29,900
WMS	Mechanical	48	Fire Pump & Controller	Replace at end of EUL							\$41,800										\$41,800
WMS	Technology		WiFi	WiFi infrastructure upgrade including access points, wiring, labor, controllers, servers. Likely subject to e-Rate funding (currently 50%)						\$109,900											\$109,900
TOTAL WHISCONIER MIDDLE SCHOOL					\$947,900	\$1,535,200	\$1,121,900	\$681,700	\$451,900	\$183,000	\$147,000	\$77,600	\$57,100	\$58,800							\$5,262,100

CLES	Technology		WiFi	WiFi infrastructure upgrade including access points, wiring, labor, controllers, servers. Likely subject to e-Rate funding (currently 50%)								\$222,700									\$222,700
TOTAL CANDLEWOOD LAKE ELEMENTARY SCHOOL					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222,700	\$0	\$0						\$222,700

TOTAL BHS, WMS, CLES					\$2,215,000	\$2,137,300	\$2,001,700	\$1,284,200	\$1,267,300	\$1,126,800	\$797,700	\$552,800	\$491,200	\$568,600	\$12,442,600
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