			Projected	
			Implementation	Estimated
School	Technical Category	Capital Renewal Description	Year	Cost
Delta Secondary, Campus ID 9109 - Site	00.1-011 Aboveground Utilities - Site	Replace [00.1-011 Aboveground Utilities - Site]	2010	\$21,162
Delta Secondary, Campus ID 9109 - Site	00.2-014 Paved Walkways - Site	Replace [00.2-014 Paved Walkways - Site]	2010	\$13,213
Delta Secondary, Campus ID 9109	01.2-010 Structural Framing - Addition 1	Study of the structural framing and foundation walls of the below grade 1948 Addition.	2010	\$19,820
Delta Secondary, Campus ID 9109	01.2-010 Structural Framing - Original Building	Study of concrete and brick foundation walls and concrete ceiling structure of the Original Building.	2010	\$19,820
Delta Secondary, Campus ID 9109	01.3-010 Exterior Walls - Addition 1	Study of exterior walls - Addition 1.	2010	\$33,033
Delta Secondary, Campus ID 9109	01.3-010 Exterior Walls - Original Building	Replace [01.3-010 Exterior Walls - Original Building].	2010	\$26,426
Delta Secondary, Campus ID 9109	01.3-030 Exterior Doors - Original Building	Replace overhead doors on 1948 addition.	2010	\$15,856
Delta Secondary, Campus ID 9109	01.3-030 Exterior Doors - Original Building	Partially replace exterior doors.	2010	\$19,820
Delta Secondary, Campus ID 9109	01.3-040 Windows - Addition 1	Replace [01.3-040 Windows - Addition 1].	2010	\$660,660
Delta Secondary, Campus ID 9109	01.3-040 Windows - Addition 2	Replace [01.3-040 Windows - Addition 2]	2010	\$376,740
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 503	Replace [01.4 Roofing - Addition 1 - Section 503]	2010	\$4,420
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 603	Replace roofing - Addition 1 - Section 603.	2010	\$125,798
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section1002	Replace [01.4 Roofing - Original Building - Section1002]	2010	\$1,887
Delta Secondary, Campus ID 9109	01.5-011 Moveable Partitions - Addition 1	Replace Moveable Partitions - Addition 1.	2010	\$66,066
Delta Secondary, Campus ID 9109	01.5-011 Moveable Partitions - Addition 2	Replace [01.5-011 Moveable Partitions - Addition 2]	2010	\$21,794
Delta Secondary, Campus ID 9109	01.5-011 Moveable Partitions - Original Building	Replace [01.5-011 Moveable Partitions - Original Building]	2010	\$45,699
Delta Secondary, Campus ID 9109	01.5-020 Millwork	Replace millwork in labs, offices and storage areas.	2010	\$462,462
Delta Secondary, Campus ID 9109	01.5-020 Millwork - Addition 2	Replace [01.5-020 Millwork - Addition 2]	2010	\$155,484
Delta Secondary, Campus ID 9109	01.5-050 Interior Doors	Partial replacement of interior doors.	2010	\$79,279
Delta Secondary, Campus ID 9109	01.5-055 Interior Door Hardware	Localized replacement of door hardware throughout building.	2010	\$66,066
Delta Secondary, Campus ID 9109	01.5-060C01 Paint Wallcovering	Repaint interior of building including classrooms and common areas.	2010	\$561,561
Delta Secondary, Campus ID 9109	01.5-060C04 Ceramic Wall Tile - Addition 2	Replace [01.5-060C04 Ceramic Wall Tile - Addition 2]	2010	\$40,965
Delta Secondary, Campus ID 9109	01.5-070C04 Carpeting	Replace carpeting in Auditorium and Library.	2010	\$154,594
Delta Secondary, Campus ID 9109	01.5-070C05 Vinyl Floor Tile	Replace vinyl floor tile.	2010	\$667,267
Delta Secondary, Campus ID 9109	01.5-070C07 Hardwood - Addition 1	Refinish hardwood - Addition 1.	2010	\$13,213
Delta Secondary, Campus ID 9109	01.5-080C02 Suspended Acoustic Panel Ceiling	Replace suspended acoustic panel ceiling.	2010	\$52,853
Delta Secondary, Campus ID 9109	01.5-080C02 Suspended Acoustic Panel Ceiling - Addition 1	Replace [01.5-080C02 Suspended Acoustic Panel Ceiling - Addition 1]	2010	\$89,128
Delta Secondary, Campus ID 9109	01.5-080C05 Painted Ceiling Structures	Replace painted ceiling structures.	2010	\$92,492
Delta Secondary, Campus ID 9109	01.5-090 Window Coverings	Replace window coverings.	2010	\$158,558
Delta Secondary, Campus ID 9109	01.5-100 Washroom Accessories - Addition 1	Replace [01.5-100 Washroom Accessories - Addition 1]	2010	\$84,718
Delta Secondary, Campus ID 9109	01.5-100 Washroom Accessories - Addition 2	Replace [01.5-100 Washroom Accessories - Addition 2]	2010	\$18,245
Delta Secondary, Campus ID 9109	03.1-160 Central Station AHU - Addition 2	Replace [03.1-160 Central Station AHU - Addition 2]	2010	\$184,985
Delta Secondary, Campus ID 9109	03.1-170 Heating & Cooling Piping Systems - Original Building	Replace the heating piping.	2010	\$990,990
Delta Secondary, Campus ID 9109	03.1-180 HVAC Pumps - Addition 1	Replace [03.1-180 HVAC Pumps - Addition 1] Replace heating pumps as part of boiler upgrade.	2010	\$52,853
Delta Secondary, Campus ID 9109	03.1-190 Terminal Units - Addition 1	Replace [03.1-190 Terminal Units - Addition 1] Evaluate and replace units as part of the upgrade to the h	2010	\$462,462
Delta Secondary, Campus ID 9109	03.1-190 Terminal Units - Addition 2	Replace [03.1-190 Terminal Units - Addition 2] Evaluate and replace units as part of the heating system is	2010	\$132,132
Delta Secondary, Campus ID 9109	03.1-190 Terminal Units - Original Building	Replace [03.1-190 Terminal Units - Original Building] Evaulate and replace as part of the heating system	2010	\$396,396
Delta Secondary, Campus ID 9109	03.1-200 Gas Piping System - Addition 1	Replace [03.1-200 Gas Piping System - Addition 1] Evaulate and replace gas piping as required by the b	2010	\$132,132
Delta Secondary, Campus ID 9109	03.1-220 Duct Systems - Addition 1	Replace [03.1-220 Duct Systems - Addition 1] III Repair and replace duct systems are required by ventilating	2010	\$264,264
Delta Secondary, Campus ID 9109	03.1-220 Duct Systems - Addition 2	Replace [03.1-220 Duct Systems - Addition 2] Repair and replace existing duct systems as part of ventila	2010	\$211,411
Delta Secondary, Campus ID 9109	03.1-220 Duct Systems - Original Building	Replace [03.1-220 Duct Systems - Original Building] Repair and replace duct systems as part of the vent	2010	\$396,396
Delta Secondary, Campus ID 9109	03.1-250 Ventilation Fans - Addition 1	Replace [03.1-250 Ventilation Fans - Addition 1] IIRepair and replace as part of ventilation upgrade.	2010	\$108,348
Delta Secondary, Campus ID 9109	03.1-250 Ventilation Fans - Addition 2	Replace [03.1-250 Ventilation Fans - Addition 2] Propagation and replace ventilation fans as part of the ventilation		\$42,282
Delta Secondary, Campus ID 9109	03.1-250 Ventilation Fans - Original Building	Replace [03.1-250 Ventilation Fans - Original Building] Replace as required by ventilation upgrade.	2010	\$85,886
Delta Secondary, Campus ID 9109	03.1-260 Stacks & Breaching - Addition 1	Replace [03.1-260 Stacks & Breaching - Addition 1] Replace as part of boiler upgrade.	2010	\$46,246
Delta Secondary, Campus ID 9109	03.2 Control Systems - Addition 1	Replace [03.2 Control Systems - Addition 1]	2010	\$760,285
Delta Secondary, Campus ID 9109	03.2 Control Systems - Addition 2	Replace [03.2 Control Systems - Addition 2]	2010	\$163,739
Delta Secondary, Campus ID 9109	03.3-010 Plumbing Fixtures - Addition 1	Replace [03.3-010 Plumbing Fixtures - Addition 1]	2010	\$693,624
Delta Secondary, Campus ID 9109	03.3-010 Plumbing Fixtures - Addition 2	Replace [03.3-010 Plumbing Fixtures - Addition 2]	2010	\$149,383
Delta Secondary, Campus ID 9109	03.3-010 Plumbing Fixtures - Original Building	Replace [03.3-010 Plumbing Fixtures - Original Building]	2010	\$544,241
Delta Secondary, Campus ID 9109	03.3-050 Plumbing Piping Systems - Addition 1	Replace [03.3-050 Plumbing Piping Systems - Addition 1]	2010	\$809,228
Delta Secondary, Campus ID 9109	03.4-040 Compressed Air Systems - Addition 1	Replace [03.4-040 Compressed Air Systems - Addition 1]	2010	\$33,033

Delta Secondary, Campus ID 9109	03.5-030 Specialty Fire Protection Systems - Addition 2	Replace [03.5-030 Specialty Fire Protection Systems - Addition 2]	2010	\$83,038
• • •	03.5-050 Fire Extinguishers - Original Building	Replace [03.5-050 Fire Extinguishers - Original Building]	2010	\$9,765
Delta Secondary, Campus ID 9109	04.2-010 Secondary Switchgear - Addition 1	Replace [04.2-010 Secondary Switchgear - Addition 1]. Replace variable speed drives in SF 2, 3, and 4	2010	\$50,000
	04.2-010 Secondary Switchgear - Addition 2	Replace [04.2-010 Secondary Switchgear - Addition 2]	2010	\$15,319
Delta Secondary, Campus ID 9109	04.2-060 Cabling, Raceways & Bus Ducts	Study [04.2-060 Cabling, Raceways & Bus Ducts] I Study condition of electrical distribution equipment and	2010	\$79,279
Delta Secondary, Campus ID 9109	04.2-060 Cabling, Raceways & Bus Ducts - Addition 2	Replace [04.2-060 Cabling, Raceways & Bus Ducts - Addition 2]	2010	\$407,90
Delta Secondary, Campus ID 9109	04.2-060 Cabling, Raceways & Bus Ducts - Original Building	Replace [04.2-060 Cabling, Raceways & Bus Ducts - Original Building]	2010	\$1,403,44
	04.3-020 Exterior Lighting - Addition 1	Replace [04.3-020 Exterior Lighting - Addition 1]	2010	\$20,126
Delta Secondary, Campus ID 9109	04.3-020 Exterior Lighting - Addition 2	Replace [04.3-020 Exterior Lighting - Addition 2]	2010	\$9,340
Delta Secondary, Campus ID 9109	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2010	\$17,830
Delta Secondary, Campus ID 9109	04.3-040 Emergency Lighting - Original Building	Replace [04.3-040 Emergency Lighting - Original Building]	2010	\$158,558
	04.4 Electrical Service Ground - Addition 1	Replace [04.4 Electrical Service Ground - Addition 1] Replace electrical ground system.	2010	\$43,604
	04.4 Electrical Service Ground - Addition 2	Replace [04.4 Electrical Service Ground - Addition 2]	2010	\$10,263
	04.4 Electrical Service Ground - Original Building	Replace [04.4 Electrical Service Ground - Original Building]	2010	\$37,39
	04.5-040 Communication Systems - Original Building	Replace [04.5-040 Communication Systems - Original Building]	2010	\$261,734
·	04.5-050 Security System - Addition 1	Replace [04.5-050 Security System - Addition 1]	2010	\$170,84
	04.6-010 Clock Systems - Original Building	Replace [04.6-010 Clock Systems - Original Building] Replace clock system.	2010	\$118,919
	04.7 Information Technology Systems - Addition 1	Replace [04.7 Information Technology Systems - Addition 1]	2010	\$124,429
Delta Secondary, Campus ID 9109	04.7 Information Technology Systems - Original Building	Replace [04.7 Information Technology Systems - Addition T	2010	\$97,632
• • •	00.1-012 Signage - Site	Replace [00.1-012 Signage - Site]	2011	\$21,16
	00.1-014 Site Related Stairs, Plazas & Decks - Site	Replace [00.1-014 Site Related Stairs, Plazas & Decks - Site]	2011	\$50,437
2, 1	01.5-010 Partitions - Original Building	Replace [01.5-010 Partitions - Original Building]	2011	\$766,987
	03.5-050 Fire Extinguishers - Addition 1	Replace [03.5-050 Fire Extinguishers - Addition 1]	2011	\$50,844
Delta Secondary, Campus ID 9109	04.5-050 Security System - Original Building	Replace [04.5-050 Security System - Original Building]	2011	\$99,016
	01.5-060C04 Ceramic Wall Tile - Addition 1	Replace [01.5-060C04 Ceramic Wall Tile - Addition 1]	2012	\$122,296
Delta Secondary, Campus ID 9109	01.5-060C04 Ceramic Wall Tile - Original Building	Replace [01.5-060C04 Ceramic Wall Tile - Addition 1]	2012	\$96,908
Delta Secondary, Campus ID 9109	03.3-050 Plumbing Piping Systems - Original Building	Replace [03.3-050 Plumbing Piping Systems - Original Building]	2012	\$634,947
	04.1-010 Primary Switchgear - Addition 2	Replace [04.1-010 Primary Switchgear - Addition 2]	2012	\$20,426
	04.1-010 Primary Switchgear - Original Building	Replace [04.1-010 Primary Switchgear - Addition 2]	2012	\$70,28
	01.3-035 Exterior Door Hardware - Original Building	Replace [01.3-035 Exterior Door Hardware - Original Building]	2013	\$27,733
	01.5-020 Millwork - Addition 1	Replace [01.5-020 Millwork - Addition 1]	2013	\$691,638
	01.5-060C01 Paint Wallcovering	Replace [01.5-060C01 Paint Wallcovering - Original Building]	2013	\$243,350
	01.5-060C01 Paint Wallcovering	Replace [01.5-060C01 Paint Wallcovering]	2013	\$6,698
	01.5-060C01 Paint Wallcovering - Addition 2	Replace [01.5-060C011 aint Wallcovering] Replace [01.5-060C01 Paint Wallcovering - Addition 2]	2013	\$72,007
2,	01.5-060C02 Vinyl Wallcovering - Addition 1	Replace [01.5-060C02 Vinyl Wallcovering - Addition 1]	2013	\$55,005
	01.5-060C02 Viriyi Wallcovering - Addition 1	Replace [01.5-060C02 Viriyl Wallcovering - Addition 1]	2013	\$43,585
	01.5-060C08 Glazed Wall Coatings - Addition 1	Replace [01.5-060C02 Viriyi Walicovering - Original Building]	2013	\$34,395
	01.5-060C08 Glazed Wall Coatings - Addition 2	Replace [01.5-060C08 Glazed Wall Coatings - Addition 1]	2013	\$10,080
·	01.5-060C08 Glazed Wall Coatings - Addition 2	Replace [01.5-060C08 Glazed Wall Coatings - Addition 2] Replace [01.5-060C08 Glazed Wall Coatings - Original Building]	2013	\$27,254
	01.5-070C04 Carpeting	Replace [01.5-000C08 Glazed Wall Coatings - Original Building]	2013	\$46,510
	01.5-070C04 Carpeting 01.5-070C04 Carpeting - Addition 1	Replace [01.5-070C04 Carpeting - Original Building] Replace [01.5-070C04 Carpeting - Addition 1]	2013	\$72,45
	01.5-070C04 Carpeting - Addition 2	Replace [01.5-070C04 Carpeting - Addition 1] Replace [01.5-070C04 Carpeting - Addition 2]	2013	\$20,062
Delta Secondary, Campus ID 9109	01.5-070C04 Carpeting - Addition 2	Replace [01.5-070C04 Carpeting - Addition 2] Replace [01.5-070C05 Vinyl Floor Tile - Addition 2]	2013	\$139,29
Delta Secondary, Campus ID 9109 Delta Secondary, Campus ID 9109	01.5-110 Interior Stairs - Addition 2	Replace [01.5-070C05 Viriyi Floor Tile - Addition 2] Replace [01.5-110 Interior Stairs - Addition 2]	2013	\$21,664
7'	03.3-050 Plumbing Piping Systems - Addition 2	Replace [01.5-110 Interior Stairs - Addition 2] Replace [03.3-050 Plumbing Piping Systems - Addition 2]	2013	\$174,28
2' 1	00.1-018 Stormwater Management Systems - Site	Replace [03.3-030 Plumbing Piping Systems - Addition 2] Replace [00.1-018 Stormwater Management Systems - Site]	2014	\$174,28
	· · · · · · · · · · · · · · · · · · ·	Replace [01.3-030 Exterior Doors - Addition 2]	2015	\$131,202
Delta Secondary, Campus ID 9109 Delta Secondary, Campus ID 9109	01.3-030 Exterior Doors - Addition 2 01.5-060C06 Wood Paneled Wall Finish - Original Building	Replace [01.5-060C06 Wood Paneled Wall Finish - Original Building]	2015	\$247,029
		· · · · · · · · · · · · · · · · · · ·		\$116,31
	01.5-080C01 Gypsum Board Ceiling - Addition 1	Replace [01.5-080C01 Gypsum Board Ceiling - Addition 1]	2015	
	01.5-080C01 Gypsum Board Ceiling - Original Building	Replace [01.5-080C01 Gypsum Board Ceiling - Original Building]	2015	\$91,26
	03.1-170 Heating & Cooling Piping Systems - Addition 1	Replace [03.1-170 Heating & Cooling Piping Systems - Addition 1]	2015	\$2,134,22
Delta Secondary, Campus ID 9109	03.1-170 Heating & Cooling Piping Systems - Addition 2	Replace [03.1-170 Heating & Cooling Piping Systems - Addition 2]	2015	\$67,58
•	00.2-013 Paved Sports & Recreational Spaces - Site	Replace [00.2-013 Paved Sports & Recreational Spaces - Site]	2016	\$38,09
	01.5-110 Interior Stairs - Addition 1	Replace [01.5-110 Interior Stairs - Addition 1]	2016	\$117,36
Delta Secondary, Campus ID 9109	01.5-110 Interior Stairs - Original Building	Replace [01.5-110 Interior Stairs - Original Building]	2016	\$92,09

Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 301	Replace [01.4 Roofing - Addition 1 - Section 301]	2017	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 302	Replace [01.4 Roofing - Addition 1 - Section 302]	2017	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 303	Replace [01.4 Roofing - Addition 1 - Section 303]	2017	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 304	Replace [01.4 Roofing - Addition 1 - Section 304]	2017	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 305	Replace [01.4 Roofing - Addition 1 - Section 305]	2017	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 306	Replace [01.4 Roofing - Addition 1 - Section 306]	2017	\$58,184
Delta Secondary, Campus ID 9109	01.5-080C03 Lath & Plaster Ceiling - Original Building	Replace [01.5-080C03 Lath & Plaster Ceiling - Original Building]	2017	\$139,591
Delta Secondary, Campus ID 9109 - Site	00.1-016 Soft Landscaping - Site	Replace [00.1-016 Soft Landscaping - Site]	2018	\$29,627
Delta Secondary, Campus ID 9109	01.3-035 Exterior Door Hardware - Addition 1	Replace [01.3-035 Exterior Door Hardware - Addition 1]	2018	\$31,310
Delta Secondary, Campus ID 9109	01.3-035 Exterior Door Hardware - Addition 2	Replace [01.3-035 Exterior Door Hardware - Addition 2]	2018	\$14,529
Delta Secondary, Campus ID 9109	01.5-055 Interior Door Hardware	Replace [01.5-055 Interior Door Hardware - Original Building]	2018	\$91,611
Delta Secondary, Campus ID 9109	01.5-055 Interior Door Hardware - Addition 1	Replace [01.5-055 Interior Door Hardware - Addition 1]	2018	\$116,758
Delta Secondary, Campus ID 9109	01.5-055 Interior Door Hardware - Addition 2	Replace [01.5-055 Interior Door Hardware - Addition 2]	2018	\$25,145
Delta Secondary, Campus ID 9109	01.5-070C04 Carpeting - Girls Phyd Ed Office	Replace [01.5-070C04 Carpeting - Girls Phyd Ed Office]	2018	\$1,891
Delta Secondary, Campus ID 9109	01.5-070C04 Carpeting - Music Rm 237	Replace [01.5-070C04 Carpeting - Music Rm 237]	2018	\$13,912
Delta Secondary, Campus ID 9109	01.5-070C05 Vinyl Floor Tile - Original Building - Hallways	Replace [01.5-070C05 Vinyl Floor Tile - Original Building - Hallways]	2018	\$16,748
Delta Secondary, Campus ID 9109	01.5-070C09 Painted/Sealed Concrete Floor - Addition 1	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Addition 1]	2018	\$11,030
Delta Secondary, Campus ID 9109	01.5-080C05 Painted Ceiling Structures	Replace [01.5-080C05 Painted Ceiling Structures - Original Building]	2018	\$252,594
Delta Secondary, Campus ID 9109	01.5-080C05 Painted Ceiling Structures - Addition 1	Replace [01.5-080C05 Painted Ceiling Structures - Addition 1]	2018	\$321,925
Delta Secondary, Campus ID 9109	01.5-080C05 Painted Ceiling Structures - Addition 2	Replace [01.5-080C05 Painted Ceiling Structures - Addition 2]	2018	\$8,667
Delta Secondary, Campus ID 9109	01.5-100 Washroom Accessories - Original Building	Replace [01.5-100 Washroom Accessories - Original Building]	2018	\$66,470
Delta Secondary, Campus ID 9109	03.1-120 Roof Top AHU - Heat&Cool - Addition 2	Replace [03.1-120 Roof Top AHU - Heat&Cool - Addition 2]	2018	\$284,168
Delta Secondary, Campus ID 9109	03.3-030 Domestic Water Heaters - Addition 2	Replace [03.3-030 Domestic Water Heaters - Addition 2]	2018	\$70,000
Delta Secondary, Campus ID 9109	04.1-020 Primary Transformer - Addition 2	Replace [04.1-020 Primary Transformer - Addition 2]	2018	\$20,426
Delta Secondary, Campus ID 9109	04.1-020 Primary Transformer - Original Building	Replace [04.1-020 Primary Transformer - Original Building]	2018	\$70,282
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 101	Replace [01.4 Roofing - Addition 1 - Section 101]	2019	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 102	Replace [01.4 Roofing - Addition 1 - Section 102]	2019	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 103	Replace [01.4 Roofing - Addition 1 - Section 103]	2019	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Addition 1 - Section 502	Replace [01.4 Roofing - Addition 1 - Section 502]	2019	\$58,184
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 1001	Replace [01.4 Roofing - Original Building - Section 1001]	2019	\$71,016
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 602	Replace [01.4 Roofing - Original Building - Section 602]	2019	\$71,016
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 701	Replace [01.4 Roofing - Original Building - Section 701]	2019	\$71,016
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 801	Replace [01.4 Roofing - Original Building - Section 801]	2019	\$71,016
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 802	Replace [01.4 Roofing - Original Building - Section 802]	2019	\$71,016
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 803	Replace [01.4 Roofing - Original Building - Section 803]	2019	\$71,016
Delta Secondary, Campus ID 9109	01.4 Roofing - Original Building - Section 901	Replace [01.4 Roofing - Original Building - Section 901]	2019	\$71,016
Delta Secondary, Campus ID 9109 - Site	00.1-010 Underground Utilities - Site	Replace [00.1-010 Underground Utilities - Site]	2020	\$724,809
Delta Secondary, Campus ID 9109 - Site	00.2-012 Paved Playgrounds - Site	Replace [00.2-012 Paved Playgrounds - Site]	2020	\$21,161
Delta Secondary, Campus ID 9109	01.5-070C01 Ceramic Floor Tile - Addition 1	Replace [01.5-070C01 Ceramic Floor Tile - Addition 1]	2020	\$67,862
Delta Secondary, Campus ID 9109	01.5-070C01 Ceramic Floor Tile - Addition 2	Replace [01.5-070C01 Ceramic Floor Tile - Addition 2]	2020	\$20,306
Delta Secondary, Campus ID 9109	01.5-070C01 Ceramic Floor Tile - Original Building	Replace [01.5-070C01 Ceramic Floor Tile - Original Building]	2020	\$43,565
Delta Secondary, Campus ID 9109	01.5-070C03 Terrazzo - Original Building	Replace [01.5-070C03 Terrazzo - Original Building]	2020	\$70,580
Delta Secondary, Campus ID 9109	01.5-070C11 Marble Floor - Original Building	Replace [01.5-070C11 Marble Floor - Original Building]	2020	\$222,356
, p	<u> </u>	<u> </u>	ļ	\$24,492,603

⁻Renewal Needs not completed in Original Implementation Year are carried forward to Current Renewal Year.
-Total Estimated Costs has changed to reflect work completed since initial data was gathered.

			Projected Implementation	Estimated
School	Technical Category	Capital Renewal Description	Year	Cost
Glendale, Campus ID 9080 - Site	00.1-010 Underground Utilities - Site	Replace [00.1-010 Underground Utilities - Site]	2010	\$401,506
	00.1-012 Signage - Site	Replace [00.1-012 Signage - Site]	2010	\$10,746
	00.1-014 Site Related Stairs, Plazas & Decks - Site	Reconstruct/repair concrete stairs around the building.	2010	\$33,033
	00.2-010 Paved Parking Lots - Site	Replace [00.2-010 Paved Parking Lots - Site] Reconstruct asphalt paved parking areas.	2010	\$66,066
Glendale, Campus ID 9080 - Site	00.2-014 Paved Walkways - Site	Replace [00.2-014 Paved Walkways - Site] - Reconstruct paved walkways.	2010	\$19,820
Glendale, Campus ID 9080 - Site	00.3-013 Unpaved Sports & Recreational Spaces - Site	Restore unpaved sports and recreational areas.	2010	\$26,426
Glendale, 9080	01.3-030 Exterior Doors	Replace 50% of the exterior doors.	2010	\$52,853
Glendale, 9080	01.3-035 Exterior Door Hardware	Replace exterior door hardware.	2010	\$26,426
Glendale, 9080	01.3-035 Exterior Door Hardware - Original Building - 50%	Replace [01.3-035 Exterior Door Hardware - Original Building - 50%]	2010	\$17,460
Glendale, 9080	01.5-020 Millwork	Replace millwork.	2010	\$330,330
Glendale, 9080	01.5-050 Interior Doors	Replace [01.5-050 Interior Doors] - Replace original interior doors.	2010	\$66,066
Glendale, 9080	01.5-055 Interior Door Hardware - Addition 1	Replace [01.5-055 Interior Door Hardware - Addition 1]	2010	\$28,198
Glendale, 9080	01.5-055 Interior Door Hardware - Original Building	Replace [01.5-055 Interior Door Hardware - Original Building]	2010	\$72,617
Glendale, 9080	01.5-060C08 Glazed Wall Coatings - Addition 1 - washrooms	Replace [01.5-060C08 Glazed Wall Coatings - Addition 1 - washrooms]	2010	\$40,366
Glendale, 9080	01.5-060C08 Glazed Wall Coatings - Original Building - washrooms	Replace [01.5-060C08 Glazed Wall Coatings - Original Building - washrooms]	2010	\$49,881
Glendale, 9080	01.5-070C01 Ceramic Floor Tile - Original Building - urinals	Replace [01.5-070C01 Ceramic Floor Tile - Original Building - urinals]	2010	\$64,934
Glendale, 9080	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting] - Replace carpet located in library, music room, and guidance room.	2010	\$66,066
Glendale, 9080	01.5-070C05 Vinyl Floor Tile	Replace vinyl floor tiles.	2010	\$264,264
Glendale, 9080	01.5-070C09 Painted/Sealed Concrete Floor - Addition 1 - shops	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Addition 1 - shops]	2010	\$11,271
Glendale, 9080	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Original Building - mechanical]	2010	\$9,675
Glendale, 9080	01.5-080C01 Gypsum Board Ceiling - Original Building - some halls	Replace [01.5-080C01 Gypsum Board Ceiling - Original Building - some halls]	2010	\$74,193
Glendale, 9080	01.5-080C05 Painted Ceiling Structures	Restore painted ceiling structure.	2010	\$26,426
Glendale, 9080	01.5-080C03 Fainted Ceiling Structures 01.5-080C07 Acoustic Tile Ceiling	Replace acoustic tile ceiling.	2010	\$46,246
Glendale, 9080	01.5-100 Washroom Accessories	Replace metal partitions in washrooms.	2010	\$52,853
Glendale, 9080	01.5-100 Washioom Accessories 01.5-110 Interior Stairs	Replace [01.5-110 Interior Stairs] - Replace interior stairs.	2010	\$52,853
Glendale, 9080	01.6 Fittings & Equipment	Replace chalkboards.	2010	\$178,378
Glendale, 9080	03.1-160 Central Station AHU	Replace or complete major component repairs on the four central station air handling units.	2010	\$132,132
Glendale, 9080	03.1-170 Central Station ATO 03.1-170 Heating & Cooling Piping Systems - Original Building	Replace heating piping system based on the results of the condition study to be completed in 2003.	2010	\$264,264
Glendale, 9080	03.1-170 Heating & Cooling Piping Systems - Original Building	Study condition, remaining service life and cost of replacement of the heating piping system.	2010	\$5,285
Glendale, 9080	03.1-190 Terminal Units -	Replace [03.1-190 Terminal Units - Addition 1]	2010	\$198,198
Glendale, 9080	03.2 Control Systems - Addition 1 03.2 Control Systems - Original Building	Replace [03.2 Control Systems - Addition 1]	2010 2010	\$183,617 \$472,854
Glendale, 9080	7 6 6	Replace [03.2 Control Systems - Original Building]		
Glendale, 9080	03.3-010 Plumbing Fixtures -	Replace [03.3-010 Plumbing Fixtures - Addition 1]	2010	\$171,772
Glendale, 9080	03.3-050 Plumbing Piping Systems - Addition 1	Replace [03.3-050 Plumbing Piping Systems - Addition 1]	2010	\$200,450
Glendale, 9080	03.3-050 Plumbing Piping Systems - Original Building	Replace [03.3-050 Plumbing Piping Systems - Sanitary piping	2010	\$132,132
Glendale, 9080	03.5-050 Fire Extinguishers - Original Building	Replace [03.5-050 Fire Extinguishers - Original Building]	2010	\$6,607
Glendale, 9080	04.2-060 Cabling, Raceways & Bus Ducts - Original Building	Replace [04.2-060 Cabling, Raceways & Bus Ducts - Original Building]	2010	\$132,132
Glendale, 9080	04.3-020 Exterior Lighting - Addition 1	Replace [04.3-020 Exterior Lighting - Addition 1]	2010	\$15,154
Glendale, 9080	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2010	\$24,319
Glendale, 9080	04.3-040 Emergency Lighting - Original Building	Replace [04.3-040 Emergency Lighting - Original Building]	2010	\$33,033
Glendale, 9080	04.5-010 Fire Alarm System - Original Building	Replace [04.5-010 Fire Alarm System - Original Building]	2010	\$79,279
Glendale, 9080	04.5-040 Communication Systems - Original Building	Replace [04.5-040 Communication Systems - Original Building]	2010	\$212,784
Glendale, 9080	04.5-050 Security System - Original Building	Replace [04.5-050 Security System - Original Building]	2010	\$19,820
Glendale, 9080	04.6-010 Clock Systems - Original Building	Replace [04.6-010 Clock Systems - Original Building]	2010	\$82,327
Glendale, 9080	04.6-020 Automatic Door Devices - Original Building - main entrance	Replace [04.6-020 Automatic Door Devices - Original Building - main entrance]	2010	\$18,576
Glendale, Campus ID 9080 - Site	00.1-016 Soft Landscaping - Site	Replace [00.1-016 Soft Landscaping - Site]	2011	\$15,045
Glendale, 9080	01.5-080C01 Gypsum Board Ceiling - Addition 1	Replace [01.5-080C01 Gypsum Board Ceiling - Addition 1]	2011	\$28,810
Glendale, 9080	02.1 Vertical Movement - Addition 1 - stair lifts	02.1 Vertical Movement - Addition 1 - stair lifts	2012	\$6,607
Glendale, 9080	03.1-170 Heating & Cooling Piping Systems - Addition 1	Replace [03.1-170 Heating & Cooling Piping Systems - Addition 1]	2012	\$558,394
Glendale, 9080	03.1-250 Ventilation Fans - Addition 1	Replace [03.1-250 Ventilation Fans - Addition 1]	2012	\$26,450
Glendale, 9080	01.5-090 Window Coverings - Addition 1	Replace [01.5-090 Window Coverings - Addition 1]	2013	\$124,343

Glendale, 9080	01.5-090 Window Coverings - Original Building	Replace [01.5-090 Window Coverings - Original Building]	2013	\$199,539
Glendale, 9080	03.1-200 Gas Piping System - Original Building	Replace [03.1-200 Gas Piping System - Original Building]	2013	\$60,182
Glendale, 9080	04.3-040 Emergency Lighting - Addition 1	Replace [04.3-040 Emergency Lighting - Addition 1]	2013	\$32,789
Glendale, 9080	01.5-011 Moveable Partitions - Original Building	Replace [01.5-011 Moveable Partitions - Original Building]	2014	\$37,153
Glendale, 9080	01.5-060C01 Paint Wallcovering - Addition 1	Replace [01.5-060C01 Paint Wallcovering - Addition 1]	2015	\$72,083
Glendale, 9080	01.5-060C01 Paint Wallcovering - Original Building	Replace [01.5-060C01 Paint Wallcovering - Original Building]	2015	\$178,148
Glendale, 9080	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting - Original Building]	2015	\$63,546
Glendale, 9080	01.5-070C05 Vinyl Floor Tile - Original Building - 30% of floors	Replace [01.5-070C05 Vinyl Floor Tile - Original Building - 30% of floors]	2015	\$206,282
Glendale, 9080	01.5-070C07 Hardwood - Original Building - gym	Replace [01.5-070C07 Hardwood - Original Building - gym]	2015	\$101,325
Glendale, 9080	03.3-030 Domestic Water Heaters - Original Building	Replace [03.3-030 Domestic Water Heaters - Original Building]	2015	\$9,147
Glendale, 9080	03.3-030 Domestic Water Heaters - Original Building	Replace [03.3-030 Domestic Water Heaters - Original Building]	2015	\$9,147
Glendale, 9080	03.3-030 Domestic Water Heaters - Original Building	Replace [03.3-030 Domestic Water Heaters - Original Building]	2015	\$9,147
Glendale, 9080	03.3-040 Plumbing Pumps - Original Building	Replace [03.3-040 Plumbing Pumps - Original Building]	2015	\$18,295
Glendale, 9080	04.2-010 Secondary Switchgear - Addition 1	Replace [04.2-010 Secondary Switchgear - Addition 1]	2015	\$17,889
Glendale, 9080	02.1 Vertical Movement - Addition 1 - stair lifts	02.1 Vertical Movement - Addition 1 - stair lifts	2016	\$7,928
Glendale, 9080	03.1-260 Stacks & Breaching - Addition 1	Replace [03.1-260 Stacks & Breaching - Addition 1]	2016	\$7,213
Glendale, 9080	03.1-260 Stacks & Breaching - Original Building	Replace [03.1-260 Stacks & Breaching - Original Building]	2016	\$10,105
Glendale, 9080	03.3-030 Domestic Water Heaters - Original Building	Replace [03.3-030 Domestic Water Heaters - Original Building]	2016	\$9,147
Glendale, 9080	03.3-030 Domestic Water Heaters - Original Building	Replace [03.3-030 Domestic Water Heaters - Original Building]	2016	\$9,147
Glendale, 9080	03.3-030 Domestic Water Heaters - Original Building	Replace [03.3-030 Domestic Water Heaters - Original Building]	2016	\$9,147
Glendale, 9080	03.5-010 Standpipe Systems - Original Building	Replace [03.5-010 Standpipe Systems - Original Building]	2016	\$166,062
Glendale, 9080	04.3-010 Interior Lighting - Original Building - ALL CLASSROOMS	Replace [04.3-010 Interior Lighting - Original Building - ALL CLASSROOMS]	2016	\$300,037
Glendale, 9080	04.7 Information Technology Systems - Addition 1	Replace [04.7 Information Technology Systems - Addition 1]	2017	\$15,630
Glendale, 9080	04.7 Information Technology Systems - Original Building	Replace [04.7 Information Technology Systems - Original Building]	2017	\$40,249
Glendale, 9080	01.3-035 Exterior Door Hardware - Addition 1	Replace [01.3-035 Exterior Door Hardware - Addition 1]	2018	\$21,759
Glendale, 9080	01.5-070C04 Carpeting - Various	Replace [01.5-070C04 Carpeting - Stud Servi office, main office, co-op office, guidance office]	2018	\$6,268
Glendale, 9080	01.5-080C05 Painted Ceiling Structures - Addition 1	Replace [01.5-080C05 Painted Ceiling Structures - Addition 1]	2018	\$6,645
Glendale, 9080	01.5-080C05 Painted Ceiling Structures - Original Building	Replace [01.5-080C05 Painted Ceiling Structures - Original Building]	2018	\$17,112
Glendale, 9080	01.5-100 Washroom Accessories - Addition 1	Replace [01.5-100 Washroom Accessories - Addition 1]	2018	\$20,985
Glendale, 9080	01.5-100 Washroom Accessories - Original Building	Replace [01.5-100 Washroom Accessories - Original Building]	2018	\$54,041
Glendale, 9080	03.1-010 (HW/S) Boilers - Original Building - DHW	Replace [03.1-010 (HW/S) Boilers - Original Building - DHW]	2018	\$36,824
Glendale, 9080	03.1-010 (HW/S) Boilers - Original Building - HVAC	Replace [03.1-010 (HW/S) Boilers - Original Building - HVAC]	2018	\$36,824
Glendale, 9080	03.1-010 (HW/S) Boilers - Original Building - HVAC	Replace [03.1-010 (HW/S) Boilers - Original Building - HVAC]	2018	\$36,824
Glendale, 9080	03.1-010 (HW/S) Boilers - Original Building - HVAC	Replace [03.1-010 (HW/S) Boilers - Original Building - HVAC]	2018	\$36,824
Glendale, 9080	03.1-010 (HW/S) Boilers - Original Building - HVAC	Replace [03.1-010 (HW/S) Boilers - Original Building - HVAC]	2018	\$36,824
Glendale, 9080	03.3-010 Plumbing Fixtures - Original Building	Replace [03.3-010 Plumbing Fixtures - Original Building]	2018	\$442,456
Glendale, 9080	01.5-050 Interior Doors - Addition 1	Replace [01.5-050 Interior Doors - Addition 1]	2020	\$74,759
Glendale, 9080	01.5-080C02 Suspended Acoustic Panel Ceiling - Addition 1	Replace [01.5-080C02 Suspended Acoustic Panel Ceiling - Addition 1]	2020	\$264,934
Glendale, 9080	01.5-080C02 Suspended Acoustic Panel Ceiling - Original Building	Replace [01.5-080C02 Suspended Acoustic Panel Ceiling - Original Building]	2020	\$682,261
Glendale, 9080	02.1 Vertical Movement - Original Building - elevator	02.1 Vertical Movement - Original Building - elevator	2020	\$46,246
Glendale, 9080	03.1-180 HVAC Pumps - Addition 1	Replace [03.1-180 HVAC Pumps - Addition 1]	2020	\$8,197
Glendale, 9080	03.1-180 HVAC Pumps - Original Building	Replace [03.1-180 HVAC Pumps - Original Building]	2020	\$11,484
Glendale, 9080	03.1-190 Terminal Units - Original Building	Replace [03.1-190 Terminal Units - Original Building]	2020	\$290,612
Glendale, 9080	04.3-010 Interior Lighting - Addition 1 - classrooms	Replace [04.3-010 Interior Lighting - Addition 1 - classrooms]	2020	\$116,509
		•		\$9,071,062

⁻Renewal Needs not completed in Original Implementation Year are carried forward to Current Renewal Year.
-Total Estimated Costs has changed to reflect work completed since initial data was gathered.

	T 1 : 10 :		Projected Implementation	Estimated
School	Technical Category	Capital Renewal Description	Year	Cost
Orchard Park SS, Campus ID 8328 - Site	00.1-011 Aboveground Utilities - Site	Replace [00.1-011 Aboveground Utilities - Site] - aboveground hydro line to the building.	2010	\$19,820
Orchard Park SS, Campus ID 8328 - Site	00.1-012 Signage - Site	Replace [00.1-012 Signage - Site] on the front facade of the building.	2010	\$13,213
Orchard Park SS, Campus ID 8328 - Site	00.1-014 Site Related Stairs, Plazas & Decks - Site	Replace [00.1-014 Site Related Stairs, Plazas & Decks - Site]	2010	\$30,838
Orchard Park SS, Campus ID 8328 - Site	00.1-016 Soft Landscaping - Site	Replace [00.1-016 Soft Landscaping - Site]	2010	\$19,820
Orchard Park SS, Campus ID 8328 - Site	00.1-017 Site Improvements	Replace chain link fence - security fence to the workshop area.	2010	\$33,033
Orchard Park SS, Campus ID 8328 - Site	00.1-018 Stormwater Management Systems	Reconstruct/remediate to minimize future ponding of water.	2010	\$79,279
Orchard Park SS, Campus ID 8328 - Site	00.1-018 Stormwater Management Systems	Study to manage the flooding on the south paved areas.	2010	\$6,607
Orchard Park SS, Campus ID 8328 - Site	00.2-010 Paved Parking Lots - Site	Replace [00.2-010 Paved Parking Lots - Site]	2010	\$277,477
Orchard Park SS, Campus ID 8328 - Site	00.2-011 Paved Roadway - Site	Replace [00.2-011 Paved Roadway - Site] to the south and east of the building.	2010	\$52,853
Orchard Park SS, Campus ID 8328 - Site	00.2-014 Paved Walkways - Site	Replace [00.2-014 Paved Walkways - Site] - concrete walkway to the front of the building.	2010	\$26,426
Orchard Park SS, 8328	01.3-030 Exterior Doors - Original Building	Approximately 12 exterior doors- generally metal (aluminum) doors with glazing.	2010	\$85,886
Orchard Park SS, 8328	01.3-035 Exterior Door Hardware - Original Building	Replace [01.3-035 Exterior Door Hardware - Original Building] - the original door hardware.	2010	\$39,640
Orchard Park SS, 8328	01.4 Roofing	Replace modified bitumen roof above the main entrance canopy.	2010	\$33,033
Orchard Park SS, 8328	01.5-011 Moveable Partitions - Original Building	Replace [01.5-011 Moveable Partitions - Original Building] located in the double gymnasium.	2010	\$105,706
Orchard Park SS, 8328	01.5-020 Millwork - Original Building	Replace [01.5-020 Millwork - Original Building] - in the classroom and laboratories.	2010	\$330,330
Orchard Park SS, 8328	01.5-050 Interior Doors - Original Building	Replace [01.5-050 Interior Doors - Original Building] wooden classroom doors and metal hallway doors	2010	\$264,264
Orchard Park SS, 8328	01.5-055 Interior Door Hardware - Original Building	Replace [01.5-055 Interior Door Hardware - Original Building] - door locks and closures.	2010	\$105,706
Orchard Park SS, 8328	01.5-060C02 Vinyl Wallcovering - Original Building	Replace [01.5-060C02 Vinyl Wallcovering - Original Building]	2010	\$80,406
Orchard Park SS, 8328	01.5-060C05 Acoustic Wall Treatment - Original Building	Replace [01.5-060C05 Acoustic Wall Treatment - Original Building] - in the double gymnasium.	2010	\$39,640
Orchard Park SS, 8328	01.5-060C08 Glazed Wall Coatings - Original Building	Replace [01.5-060C08 Glazed Wall Coatings - Original Building]	2010	\$50,279
Orchard Park SS, 8328	01.5-070C03 Terrazzo	Repair observed cracks on the terrazzo floor.	2010	\$13,213
Orchard Park SS, 8328	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting - Original Building] - music room, library, and student service room.	2010	\$79,279
Orchard Park SS, 8328	01.5-070C05 Vinyl Floor Tile - Original Building	Replace [01.5-070C05 Vinyl Floor Tile - Original Building] - 9x9 vinyl floor tiles in the classrooms.	2010	\$607,807
Orchard Park SS, 8328	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	mechanical room and shop clusters.	2010	\$19,820
Orchard Park SS, 8328	01.5-080C01 Gypsum Board Ceiling - Original Building	Replace [01.5-080C01 Gypsum Board Ceiling - Original Building]	2010	\$105,706
Orchard Park SS, 8328	01.5-080C02 Suspended Acoustic Panel Ceiling - Original Building	hallways and classrooms on the 1st floor.	2010	\$541,741
Orchard Park SS, 8328	01.5-080C07 Acoustic Tile Ceiling - Original Building	Replace [01.5-080C07 Acoustic Tile Ceiling - Original Building] in the stairwells.	2010	\$39,640
Orchard Park SS, 8328	01.5-090 Window Coverings - Original Building	Replace [01.5-090 Window Coverings - Original Building]	2010	\$247,010
Orchard Park SS, 8328	01.5-100 Washroom Accessories - Original Building	Replace [01.5-100 Washroom Accessories - Original Building] - 5 clusters of boys and girls washrooms	2010	\$99,099
Orchard Park SS, 8328	01.5-110 Interior Stairs - Original Building	Replace [01.5-110 Interior Stairs - Original Building]	2010	\$114,729
Orchard Park SS, 8328	01.6 Fittings & Equipment - Original Building	Indicated that the lockers in the technical rooms and on 2nd floor were restored in 2002 (approximately	2010	\$145,345
Orchard Park SS, 8328	03.1-170 Heating & Cooling Piping Systems - Original Building	Replace [03.1-170 Heating & Cooling Piping Systems - Original Building]	2010	\$903,248
Orchard Park SS, 8328	03.1-250 Ventilation Fans - Original Building	Replace [03.1-250 Ventilation Fans - Original Building] - the building has 50 exhaust fans for ventilation	2010	\$79,279
Orchard Park SS, 8328	03.3-040 Plumbing Pumps - Original Building	Replace [03.3-040 Plumbing Pumps - Original Building]	2010	\$6,607
Orchard Park SS, 8328	03.3-050 Plumbing Piping Systems - Original Building	Replace (03.3-050 Plumbing Pinping Systems - Original Building)	2010	\$660,660
Orchard Park SS, 8328	03.3-050 Plumbing Piping Systems - Original Building	Plumbing Pinping System is original to the time of commissioning.	2010	\$6,607
Orchard Park SS, 8328	04.1-010 Primary Switchgear - Original Building	Replace [04.1-010 Primary Switchgear - Original Building]	2010	\$90,335
Orchard Park SS, 8328	04.2-010 Secondary Switchgear - Original Building	Replace [04.2-010 Secondary Switchgear - Original Building]	2010	\$59,459
Orchard Park SS, 8328	04.2-020 Secondary Transformer	Replacement of secondary transformer.	2010	\$105,706
Orchard Park SS, 8328	04.2-060 Cabling, Raceways & Bus Ducts - Original Building	Replace [04.2-060 Cabling, Raceways & Bus Ducts - Original Building]	2010	\$990,990
Orchard Park SS, 8328	04.2-060 Cabling, Raceways & Bus Ducts - Original Building	Study [04.2-060 Cabling, Raceways & Bus Ducts - Original Building]	2010	\$6,607
Orchard Park SS, 8328	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2010	\$85,886
Orchard Park SS, 8328	04.3-040 Emergency Lighting - Original Building	Individual battery back up units and hardwires lamps to a main battery supply. Approximately 50% of the	2010	\$33,033
Orchard Park SS, 8328	04.6-010 Clock Systems - Original Building	Replace [04.6-010 Clock Systems - Original Building] - central clock system.	2010	\$59,459
Orchard Park SS, 8328	01.5-060C01 Paint Wallcovering - Original Building	Replace [01.5-060C01 Paint Wallcovering - Original Building]	2012	\$269,352
Orchard Park SS, 8328	03.5-050 Fire Extinguishers - Original Building	Replace [03.5-050 Fire Extinguishers - Original Building]	2012	\$11,861
Orchard Park SS, 8328	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting - Original Building]	2013	\$146,069
Orchard Park SS, 8328	04.1-020 Primary Transformer - Original Building	Replace [04.1-020 Primary Transformer - Original Building]	2013	\$97,285
Orchard Park SS, 8328	01.5-080C05 Painted Ceiling Structures - Original Building	Replace [01.5-080C05 Painted Ceiling Structures - Original Building]	2014	\$26,224
Orchard Park SS, Campus ID 8328 - Site	00.1-010 Underground Utilities - Site	Replace [00.1-010 Underground Utilities - Site]	2015	\$443,173
Orchard Park SS, 8328	04.5-010 Fire Alarm System - Original Building	Replace [04.5-010 Fire Alarm System - Original Building]	2015	\$204,658

Orchard Park SS, 8328	04.5-040 Communication Systems - Original Building	Replace [04.5-040 Communication Systems - Original Building]	2015	\$326,073
Orchard Park SS, 8328	04.5-050 Security System - Original Building	Replace [04.5-050 Security System - Original Building]	2015	\$123,356
Orchard Park SS, 8328	01.5-070C07 Hardwood - Original Building	Replace [01.5-070C07 Hardwood - Original Building]	2016	\$232,909
Orchard Park SS, 8328	04.7 Information Technology Systems - Original Building	Replace [04.7 Information Technology Systems - Original Building]	2017	\$61,678
Orchard Park SS, Campus ID 8328 - Site	00.3-013 Unpaved Sports & Recreational Spaces - Site	Replace [00.3-013 Unpaved Sports & Recreational Spaces - Site]	2018	\$52,082
Orchard Park SS, 8328	01.4 Roofing - Addition 2	Replace [01.4 Roofing - Addition 2]	2018	\$19,582
Orchard Park SS, 8328	01.5-070C04 Carpeting - Music room	Replace [01.5-070C04 Carpeting - Music room]	2018	\$5,701
Orchard Park SS, 8328	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Original Building]	2018	\$22,239
Orchard Park SS, 8328	03.2 Control Systems - Original Building	Replace [03.2 Control Systems - Original Building]	2018	\$724,605
Orchard Park SS, 8328	03.1-220 Duct Systems - Original Building	Replace [03.1-220 Duct Systems - Original Building]	2020	\$1,496,793
Orchard Park SS, 8328	04.3-010 Interior Lighting - Addition 2	Replace [04.3-010 Interior Lighting - Addition 2]	2020	\$10,444
Orchard Park SS, 8328	04.3-010 Interior Lighting - Original Building - 50%	Replace [04.3-010 Interior Lighting - Original Building - 50%]	2020	\$459,780
Orchard Park SS, 8328	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2020	\$30,105
Orchard Park SS, 8328	04.6-020 Automatic Door Devices - Original Building	Replace [04.6-020 Automatic Door Devices - Original Building]	2020	\$28,467
	•	•		\$11,587,957

⁻Renewal Needs not completed in Original Implementation Year are carried forward to Current Renewal Year.
-Total Estimated Costs has changed to reflect work completed since initial data was gathered.

			Projected Implementation	
School	Technical Category	Capital Renewal Description	Year	Estimated Cost
Parkview, Campus ID 9123 - Site	00.1-014 Site Related Stairs, Plazas & Decks - Site	Replace [00.1-014 Site Related Stairs, Plazas & Decks - Site]	2010	\$13,138
Parkview, Campus ID 9123 - Site	00.1-016 Soft Landscaping - Site	Replace [00.1-016 Soft Landscaping - Site]	2010	\$13,213
Parkview, Campus ID 9123 - Site	00.2-010 Paved Parking Lots - Site	Replace [00.2-010 Paved Parking Lots - Site]	2010	\$59,459
Parkview, Campus ID 9123 - Site	00.2-011 Paved Roadway - Site	Replace [00.2-011 Paved Roadway - Site]	2010	\$26,426
Parkview, 9123	01.3-030 Exterior Doors	Replace exterior door at original and Addition 1	2010	\$79,279
Parkview, 9123	01.3-035 Exterior Door Hardware	Replacement of exterior door hardware at original and addition 1	2010	\$39,640
Parkview, 9123	01.3-040 Windows	Replacement of windows in original and Addition 1	2010	\$330,330
Parkview, 9123	01.5-020 Millwork	Replace millwork in original building and addition 1	2010	\$264,264
Parkview, 9123	01.5-050 Interior Doors	Replacement of interior doors at original building and addition 1	2010	\$105,706
Parkview, 9123	01.5-055 Interior Door Hardware	Replacement of interior door hardware	2010	\$46,246
Parkview, 9123	01.5-060C01 Paint Wallcovering	Restore paint wallcovering of original building and Addiiton 1	2010	\$118,919
Parkview, 9123	01.5-070C02 Quarry Tile - Addition 1	Replace [01.5-070C02 Quarry Tile - Addition 1]	2010	\$55,232
Parkview, 9123	01.5-070C02 Quarry Tile - Original Building	Replace [01.5-070C02 Quarry Tile - Original Building]	2010	\$100,216
Parkview, 9123	01.5-070C05 Vinyl Floor Tile	Replacement of vinyl floor tiles	2010	\$264,264
Parkview, 9123	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Original Building]	2010	\$19,820
Parkview, 9123	01.5-080C02 Suspended Acoustic Panel Ceiling	Replace suspended acoustic panel ceilings in original and addition 1	2010	\$396,396
Parkview, 9123	01.5-080C05 Painted Ceiling Structures - Original Building	Replace [01.5-080C05 Painted Ceiling Structures - Original Building]	2010	\$19,820
Parkview, 9123	01.5-080C07 Acoustic Tile Ceiling	Replaced acoustic tile ceiling of original building and Addition 1	2010	\$66,066
Parkview, 9123	01.5-100 Washroom Accessories	Replacement of washroom partitions	2010	\$33,033
Parkview, 9123	01.5-110 Interior Stairs - Original Building	Replace [01.5-110 Interior Stairs - Original Building]	2010	\$33,033
Parkview, 9123	01.6 Fittings & Equipment	Replace lockers	2010	\$52,853
Parkview, 9123	03.1-010 (HW/S) Boilers - Original Building - HVAC	Replacement of one hot water fire tube boiler.	2010	\$105,706
Parkview, 9123	03.1-160 Central Station AHU - Original Building	Replacement of one central station AHU.	2010	\$39,640
Parkview, 9123	03.1-170 Heating Piping Systems	Replacement of heating piping systems.	2010	\$264,264
Parkview, 9123	03.1-170 Heating Piping Systems	Study to replace heating piping system.	2010	\$6,607
Parkview, 9123	03.1-180 HVAC Pumps - Original Building	Replacement of six hot water circulation pumps.	2010	\$13,213
Parkview, 9123	03.1-190 Terminal Units	Replacement of six not water circulation pumps. Replacement of terminal units	2010	\$66,066
Parkview, 9123	03.1-200 Gas Piping System - Original Building	Replacement of gas piping system.	2010	\$33,033
Parkview, 9123	03.1-240 Make-Up AHU	Replacement of three make up AHUs	2010	\$26,426
Parkview, 9123	03.1-240 Make-op Ai lo 03.1-250 Ventilation Fans	Replacement of forty exhaust fans.	2010	\$66,066
Parkview, 9123	03.1-250 Ventilation Fails 03.1-260 Stacks & Breaching - Original Building	Replacement of stack and breaching of one boiler.	2010	\$13,213
			2010	\$105,706
Parkview, 9123	03.2 Control Systems	Replacement of control systems.		
Parkview, 9123	03.3-010 Plumbing Fixtures	Replacement of plumbing fixtures of four washrooms and bradley basins of tech shops.	2010	\$79,279 \$20,640
Parkview, 9123	03.3-030 Domestic Water Heaters	Replacement of one domestic water heater with water storage tank.	2010	\$39,640
Parkview, 9123	03.3-040 Plumbing Pumps - Original Building	Replace [03.3-040 Plumbing Pumps - Original Building]	2010	\$7,699
Parkview, 9123	03.3-050 Plumbing Piping Systems	Replacement of plumbing piping systems	2010	\$330,330
Parkview, 9123	03.3-050 Plumbing Piping Systems	Study to replace plumbing piping systems.	2010	\$6,607
Parkview, 9123	04.1-020 Primary Transformer - Original Building	Replace [04.1-020 Primary Transformer - Original Building]	2010	\$28,239
Parkview, 9123	04.2-010 Secondary Switchgear - Original Building	Replacement of secondary switchgear.	2010	\$59,459
Parkview, 9123	04.2-020 Secondary Transformer - Original Building	Replacement of secondary transformer.	2010	\$52,853
Parkview, 9123	04.2-060 Cabling, Raceways & Bus Ducts	Replacement of cabling, raceways & bus ducts.	2010	\$330,330
Parkview, 9123	04.2-060 Cabling, Raceways & Bus Ducts	Study to replace cabling, raceways & bus ducts.	2010	\$6,607
Parkview, 9123	04.3-020 Exterior Lighting	Replacement of exterior lighting.	2010	\$26,426
Parkview, 9123	04.3-030 Exit Lighting - Original Building	Replacement of exit lighting through out the building.	2010	\$19,820
Parkview, 9123	04.3-040 Emergency Lighting	Replacement of emergency lighting.	2010	\$33,033
Parkview, 9123	04.5-010 Fire Alarm System - Original Building	Replacement of fire alarm system (Field units only).	2010	\$33,033
Parkview, 9123	04.5-040 Communication Systems - Original Building	Replacement of front end of communication system.	2010	\$59,459
Parkview, 9123	04.5-050 Security System - Original Building	Replacement of security system.	2010	\$46,246
Parkview, 9123	01.5-060C08 Glazed Wall Coatings - Addition 1	Replace [01.5-060C08 Glazed Wall Coatings - Addition 1]	2011	\$23,893
Parkview, 9123	03.1-010 (HW/S) Boilers - Original Building - DHW	Replace [03.1-010 (HW/S) Boilers - Original Building - DHW]	2011	\$94,723
Parkview, Campus ID 9123 - Site	00.1-010 Underground Utilities - Site	Replace [00.1-010 Underground Utilities - Site]	2012	\$188,797

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Parkview, 9123	01.5-060C04 Ceramic Wall Tile - Original Building	Replace [01.5-060C04 Ceramic Wall Tile - Original Building]	2012	\$86,450
Parkview, 9123	01.5-090 Window Coverings - Original Building	Replace [01.5-090 Window Coverings - Original Building]	2012	\$158,543
Parkview, 9123	01.5-110 Interior Stairs - Addition 1	Replace [01.5-110 Interior Stairs - Addition 1]	2012	\$17,366
Parkview, 9123	01.5-060C01 Paint Wallcovering - Addition 1	Replace [01.5-060C01 Paint Wallcovering - Addition 1]	2013	\$42,665
Parkview, 9123	01.5-060C01 Paint Wallcovering - Original Building	Replace [01.5-060C01 Paint Wallcovering - Original Building]	2013	\$79,599
Parkview, 9123	01.5-060C08 Glazed Wall Coatings - Addition 1	Replace [01.5-060C08 Glazed Wall Coatings - Addition 1]	2013	\$23,893
Parkview, 9123	01.5-060C08 Glazed Wall Coatings - Original Building	Replace [01.5-060C08 Glazed Wall Coatings - Original Building]	2013	\$22,288
Parkview, 9123	01.5-080C07 Acoustic Tile Ceiling - Original Building	Replace [01.5-080C07 Acoustic Tile Ceiling - Original Building]	2014	\$10,187
Parkview, 9123	03.1-170 Heating & Cooling Piping Systems - Addition 1	Replace [03.1-170 Heating & Cooling Piping Systems - Addition 1]	2014	\$333,547
Parkview, 9123	04.1-010 Primary Switchgear - Original Building	Replace [04.1-010 Primary Switchgear - Original Building]	2014	\$26,222
Parkview, 9123	04.5-010 Fire Alarm System - Original Building	Replace [04.5-010 Fire Alarm System - Original Building]	2015	\$56,208
Parkview, 9123	03.1-220 Duct Systems - Original Building	Replace [03.1-220 Duct Systems - Original Building]	2017	\$533,520
Parkview, 9123	04.7 Information Technology Systems - Original Building	Replace [04.7 Information Technology Systems - Original Building]	2017	\$16,939
Parkview, 9123	01.3-035 Exterior Door Hardware - Addition 1	Replace [01.3-035 Exterior Door Hardware - Addition 1]	2018	\$23,784
Parkview, 9123	01.3-035 Exterior Door Hardware - Original Building	Replace [01.3-035 Exterior Door Hardware - Original Building]	2018	\$18,497
Parkview, 9123	01.5-055 Interior Door Hardware - Addition 1	Replace [01.5-055 Interior Door Hardware - Addition 1]	2018	\$16,844
Parkview, 9123	01.5-055 Interior Door Hardware - Original Building	Replace [01.5-055 Interior Door Hardware - Original Building]	2018	\$30,562
Parkview, 9123	01.5-100 Washroom Accessories - Addition 1	Replace [01.5-100 Washroom Accessories - Addition 1]	2018	\$12,535
Parkview, 9123	01.5-100 Washroom Accessories - Original Building	Replace [01.5-100 Washroom Accessories - Original Building]	2018	\$22,744
Parkview, 9123	03.2 Control Systems - Addition 1	Replace [03.2 Control Systems - Addition 1]	2018	\$109,681
Parkview, 9123	03.2 Control Systems - Original Building	Replace [03.2 Control Systems - Original Building]	2018	\$199,009
Parkview, 9123	04.3-020 Exterior Lighting - Addition 1	Replace [04.3-020 Exterior Lighting - Addition 1]	2018	\$16,564
Parkview, 9123	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2018	\$12,882
Parkview, 9123	03.1-160 Central Station AHU - Addition 1 - gym	Replace [03.1-160 Central Station AHU - Addition 1 - gym]	2019	\$135,371
Parkview, 9123	03.1-160 Central Station AHU - Original Building	Replace [03.1-160 Central Station AHU - Original Building]	2019	\$392,000
	<u> </u>	<u> </u>	<u>.</u>	\$6,741,666

⁻Renewal Needs not completed in Original Implementation Year are carried forward to Current Renewal Year.
-Total Estimated Costs has changed to reflect work completed since initial data was gathered.

			Projected	
.			Implementation	Estimated
School	Technical Category	Capital Renewal Description	Year	Cost
·	00.1-011 Aboveground Utilities - Site	Replace [00.1-011 Aboveground Utilities - Site]	2010	\$16,125
,	00.1-012 Signage - Site	Replace [00.1-012 Signage - Site]	2010	\$3,964
Sir John A Macdonald SS, Campus ID 9147 - Site	00.1-016 Soft Landscaping - Site	Replace [00.1-016 Soft Landscaping - Site] at south side of building.	2010	\$10,571
Sir John A Macdonald SS, Campus ID 9147 - Site	00.2-014 Paved Walkways - Site	Replace [00.2-014 Paved Walkways - Site]	2010	\$26,426
Sir John A Macdonald SS, Campus ID 9147 - Site	00.3-013 Unpaved Sports & Recreational Spaces - Site	To the west side of the building.	2010	\$39,640
Sir John A Macdonald SS, 9147	01.3-030 Exterior Doors	Replace exterior doors. There are 8 double doors and 6 single doors.	2010	\$72,673
Sir John A Macdonald SS, 9147	01.3-035 Exterior Door Hardware	Replace exterior door hardware along with exterior door.	2010	\$26,426
Sir John A Macdonald SS, 9147	01.3-040 Windows - Original Building	Replace [01.3-040 Windows - Original Building]	2010	\$1,267,160
Sir John A Macdonald SS, 9147	01.4 Roofing - Original Building	Sections 602, 603, 604, 606, 801, 802, 901, 902, 903	2010	\$453,071
Sir John A Macdonald SS, 9147	01.5-011 Moveable Partitions - Original Building	Replace [01.5-011 Moveable Partitions - Original Building]	2010	\$99,099
Sir John A Macdonald SS, 9147	01.5-020 Millwork - Original Building	Replace [01.5-020 Millwork - Original Building]	2010	\$919,072
Sir John A Macdonald SS, 9147	01.5-050 Interior Doors	Replace interior doors.	2010	\$132,132
Sir John A Macdonald SS, 9147	01.5-055 Interior Door Hardware	Replace interior door hardware along with interior door.	2010	\$46,246
Sir John A Macdonald SS, 9147	01.5-060C01 Paint Wallcovering	Replace painted wall coverings in the school.	2010	\$330,330
Sir John A Macdonald SS, 9147	01.5-060C05 Acoustic Wall Treatment - Original Building	Room 112 of the music room.	2010	\$26,426
Sir John A Macdonald SS, 9147	01.5-060C06 Wood Paneled Wall Finish - Original Building	Replace [01.5-060C06 Wood Paneled Wall Finish - Original Building]	2010	\$1,039,539
Sir John A Macdonald SS, 9147	01.5-070C03 Terrazzo	Repair cracks in terrazzo flooring in hallways. Approximately 15 long and deep cracks.	2010	\$19,820
Sir John A Macdonald SS, 9147	01.5-070C04 Carpeting	Replace all carpeting in the school.	2010	\$171,772
Sir John A Macdonald SS, 9147	01.5-070C05 Vinyl Floor Tile	Replace 12x12 vinyl floor tiles in the school.	2010	\$792,792
Sir John A Macdonald SS, 9147	01.5-070C07 Hardwood - Original Building	Replace [01.5-070C07 Hardwood - Original Building]	2010	\$316,163
Sir John A Macdonald SS, 9147	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	In the auto shop, boiler room, change rooms.	2010	\$6,607
Sir John A Macdonald SS, 9147	01.5-080C01 Gypsum Board Ceiling - Original Building	Replace [01.5-080C01 Gypsum Board Ceiling - Original Building]	2010	\$231,502
Sir John A Macdonald SS, 9147	01.5-080C02 Suspended Acoustic Panel Ceiling	Replace suspended drop panel ceiling tiles in the school.	2010	\$1,149,548
Sir John A Macdonald SS, 9147	01.5-090 Window Coverings - Original Building	Replace [01.5-090 Window Coverings - Original Building]	2010	\$132,132
Sir John A Macdonald SS, 9147	01.5-100 Washroom Accessories	Replace washroom accessories. There are 10 sets of girls and boys washrooms.	2010	\$211,411
Sir John A Macdonald SS, 9147	01.6 Fittings & Equipment - Original Building	Including the 2 sets of bleachers in the double gymnasium.	2010	\$66,066
Sir John A Macdonald SS, 9147	03.1-010 (HW/S) Boilers	Replace 03.1-010 (HW/S) Boilers	2010	\$158,558
Sir John A Macdonald SS, 9147	03.1-010 (HW/S) Boilers - Original Building - Dom. Hot Water	Replace [03.1-010 (HW/S) Boilers - Original Building - Dom. Hot Water]	2010	\$991,867
Sir John A Macdonald SS, 9147	03.1-070 (CWC) Chillers - Original Building	Replace [03.1-070 (CWC) Chillers - Original Building]	2010	\$198,198
Sir John A Macdonald SS, 9147	03.1-080 (CWC) Cooling Towers - Original Building	Replace [03.1-080 (CWC) Cooling Towers - Original Building]	2010	\$105,706
Sir John A Macdonald SS, 9147	03.1-160 Central Station AHU - Original Building	Replace [03.1-160 Central Station AHU - Original Building]	2010	\$902,067
Sir John A Macdonald SS, 9147	03.1-160 Central Station AHU - Original Building	Replace [03.1-160 Central Station AHU - Original Building]	2010	\$902,067
Sir John A Macdonald SS, 9147	03.1-170 Heating & Cooling Piping Systems - Original Building	Replace 15.3 Heating and Cooling Pipes	2010	\$264,264
Sir John A Macdonald SS, 9147	03.1-170 Heating & Cooling Piping Systems - Original Building	Study the heating and cooling piping.	2010	\$6,607
Sir John A Macdonald SS, 9147	03.1-180 HVAC Pumps - Original Building	Replace [03.1-180 HVAC Pumps - Original Building]-hot water heating pump	2010	\$2,643
Sir John A Macdonald SS, 9147	03.1-200 Gas Piping System - Original Building	Replace [03.1-200 Gas Piping System - Original Building]	2010	\$167,867
Sir John A Macdonald SS, 9147	03.1-260 Stacks & Breaching - Original Building	Replace [03.1-260 Stacks & Breaching - Original Building]	2010	\$54,440
Sir John A Macdonald SS, 9147	03.3-010 Plumbing Fixtures - Original Building	5 washroom clusters ,15 water fountains and 10 staff washrooms	2010	\$237,838
Sir John A Macdonald SS, 9147	03.3-050 Plumbing Piping Systems - Original Building	Replace 03.3-050 Plumbing Piping Systems	2010	\$198,198
Sir John A Macdonald SS, 9147	03.3-050 Plumbing Piping Systems - Original Building	Study the plumbing piping system in the original building and first addition.	2010	\$6,607
Sir John A Macdonald SS, 9147	03.4-040 Compressed Air Systems - Original Building	Replace [03.4-040 Compressed Air Systems - Original Building]	2010	\$40,985
Sir John A Macdonald SS, 9147	03.5-050 Fire Extinguishers - Original Building	Replace [03.5-050 Fire Extinguishers - Original Building]	2010	\$16,374
Sir John A Macdonald SS, 9147	04.2-010 Secondary Switchgear - Original Building	Replace [04.2-010 Secondary Switchgear - Original Building]	2010	\$99,737
Sir John A Macdonald SS, 9147	04.2-020 Secondary Transformer - Original Building	Replace [04.2-020 Secondary Transformer - Original Building]	2010	\$358,033
Sir John A Macdonald SS, 9147	04.2-060 Cabling, Raceways & Bus Ducts - Original Building	Replace [04.2-060 Cabling, Raceways & Bus Ducts - Original Building]	2010	\$2,859,790
Sir John A Macdonald SS, 9147	04.3-010 Interior Lighting - Original Building	Fixtures in the classrooms with the exception of the science rooms.	2010	\$92,492
Sir John A Macdonald SS, 9147	04.3-030 Exit Lighting - Original Building	Replace [04.3-030 Exit Lighting - Original Building]	2010	\$19,820
Sir John A Macdonald SS, 9147	04.5-030 Emergency Power System - Original Building	Replace [04.5-030 Emergency Power System - Original Building]	2010	\$66,066
Sir John A Macdonald SS, 9147	04.6-010 Clock Systems - Original Building	Replace [04.6-010 Clock Systems - Original Building]	2010	\$171,255
Sir John A Macdonald SS, 9147	04.1-010 Primary Switchgear - Original Building	Replace [04.1-010 Primary Switchgear - Original Building]	2011	\$132,984
Sir John A Macdonald SS, 9147	01.5-110 Interior Stairs - Original Building - all others	Replace [01.5-110 Interior Stairs - Original Building - all others]	2012	\$77,871
Sir John A Macdonald SS, Campus ID 9147 - Site	00.1-012 Signage - Site	Replace [00.1-012 Signage - Site]	2013	\$13,645

Sir John A Macdonald SS, Campus ID 9147 - Site	00.3-013 Unpaved Sports & Recreational Spaces - Site	Replace [00.3-013 Unpaved Sports & Recreational Spaces - Site]	2013	\$92,289
Sir John A Macdonald SS, 9147	01.5-060C01 Paint Wallcovering - Original Building	Replace [01.5-060C01 Paint Wallcovering - Original Building]	2013	\$375,490
Sir John A Macdonald SS, 9147	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting - Original Building]	2013	\$198,283
Sir John A Macdonald SS, 9147	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2013	\$20,421
Sir John A Macdonald SS, 9147	03.5-010 Standpipe Systems - Original Building	Replace [03.5-010 Standpipe Systems - Original Building]	2016	\$351,293
Sir John A Macdonald SS, 9147	04.5-040 Communication Systems - Original Building	Replace [04.5-040 Communication Systems - Original Building]	2016	\$442,628
Sir John A Macdonald SS, 9147	03.5-050 Fire Extinguishers - Original Building	Replace [03.5-050 Fire Extinguishers - Original Building]	2017	\$16,374
Sir John A Macdonald SS, 9147	04.1-020 Primary Transformer - Original Building	Replace [04.1-020 Primary Transformer - Original Building]	2017	\$143,213
Sir John A Macdonald SS, 9147	04.3-040 Emergency Lighting - Original Building	Replace [04.3-040 Emergency Lighting - Original Building]	2017	\$175,646
Sir John A Macdonald SS, 9147	04.7 Information Technology Systems - Original Building	Replace [04.7 Information Technology Systems - Original Building]	2017	\$83,724
Sir John A Macdonald SS, 9147	01.3-035 Exterior Door Hardware - Original Building	Replace [01.3-035 Exterior Door Hardware - Original Building]	2018	\$29,323
Sir John A Macdonald SS, 9147	01.5-055 Interior Door Hardware - Original Building	Replace [01.5-055 Interior Door Hardware - Original Building]	2018	\$153,615
Sir John A Macdonald SS, 9147	01.5-080C05 Painted Ceiling Structures - Original Building	Replace [01.5-080C05 Painted Ceiling Structures - Original Building]	2018	\$53,396
Sir John A Macdonald SS, 9147	01.5-100 Washroom Accessories - Original Building	Replace [01.5-100 Washroom Accessories - Original Building]	2018	\$112,414
Sir John A Macdonald SS, Campus ID 9147 - Site	00.1-010 Underground Utilities - Site	Replace [00.1-010 Underground Utilities - Site]	2019	\$509,821
Sir John A Macdonald SS, 9147	03.1-160 Central Station AHU - Original Building	Replace [03.1-160 Central Station AHU - Original Building]	2019	\$902,067
Sir John A Macdonald SS, 9147	03.1-160 Central Station AHU - Original Building	Replace [03.1-160 Central Station AHU - Original Building]	2019	\$902,067
Sir John A Macdonald SS, Campus ID 9147 - Site	00.1-016 Soft Landscaping - Site	Replace [00.1-016 Soft Landscaping - Site]	2020	\$19,102
Sir John A Macdonald SS, 9147	03.3-040 Plumbing Pumps - Original Building	Replace [03.3-040 Plumbing Pumps - Original Building]	2020	\$38,057
				\$20,371,915

⁻Renewal Needs not completed in Original Implementation Year are carried forward to Current Renewal Year.
-Total Estimated Costs has changed to reflect work completed since initial data was gathered.

			Projected	Fatimated.
School	Technical Category	Capital Renewal Description	Implementation Year	Estimated Cost
Sir Winston Churchill SS, Campus ID 9149 - Site	• •	Replace [00.1-012 Signage - Site] - Replace school signage.	2010	\$19,820
	00.1-012 Signage - Site 00.1-014 Site Related Stairs, Plazas & Decks - Site	Reconstruct/repair site related stairs.	2010	\$26,426
Sir Winston Churchill SS, Campus ID 9149 - Site		Replace [00.1-016 Soft Landscaping - Restore soft landscaping.	2010	\$13,213
Sir Winston Churchill SS, Campus ID 9149 - Site	- -	Replace [00.2-010 Paved Parking Lots - Site] - Reconstruct asphalt paved parking lots.	2010	\$66,066
Sir Winston Churchill SS, Campus ID 9149 - Site	<u> </u>	Replace [00.2-014 Paved Walkways - Site] - Reconstruct/repair paved walkways.	2010	\$19,820
,	00.3-013 Unpaved Sports & Recreational Spaces - Site	Restore unpaved sports and recreational spaces.	2010	\$52,853
	01.3-030 Exterior Doors - Original Building	Replace [01.3-030 Exterior Doors - Original Building] - Replace exterior doors.	2010	\$79,279
Sir Winston Churchill SS, 9149	01.3-035 Exterior Door Hardware - Original Building	Replace exterior door hardware.	2010	\$39,640
Sir Winston Churchill SS, 9149	01.4 Roofing - Original Building	Replace [01.4 Roofing - Original Building] Sections 201, 202	2010	\$157,952
Sir Winston Churchill SS, 9149	01.5-011 Moveable Partitions - Original Building	Replace moveable partition in double gymnasium.	2010	\$99,099
Sir Winston Churchill SS, 9149	01.5-020 Millwork - Original Building	Replace [01.5-020 Millwork - Original Building] - Replace millwork.	2010	\$396,396
Sir Winston Churchill SS, 9149	01.5-050 Interior Doors - Original Building	Replace [01.5-050 Interior Doors - Original Building] - Replace interior doors.	2010	\$79,279
Sir Winston Churchill SS, 9149	01.5-055 Interior Door Hardware - Original Building	Replace interior door hardware.	2010	\$39,640
Sir Winston Churchill SS, 9149	01.5-060C04 Ceramic Wall Tile - Original Building	Replace [01.5-060C04 Ceramic Wall Tile - Original Building]	2010	\$406,032
· · · · · · · · · · · · · · · · · · ·	01.5-060C04 Ceramic Wall The - Original Building	Replace [01.5-060C04 Ceramic Wall The - Original Building]	2010	\$104,680
	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting - Original Building] - Replace carpet in lib and aud	2010	\$52,853
,	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C05 Vinyl Floor Tile - Original Building] - Replace vinyl floor tiles.	2010	\$396,396
Sir Winston Churchill SS, 9149	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Original Building]	2010	\$30,536
,	01.5-080C01 Gypsum Board Ceiling - Original Building	Replace [01.5-080C01 Gypsum Board Ceiling - Original Building]	2010	\$156,105
	01.5-080C02 Suspended Acoustic Panel Ceiling - Original Bldg	Replace suspended acoustic ceiling tiles.	2010	\$924,924
· · · · · · · · · · · · · · · · · · ·	01.5-080C05 Painted Ceiling Structures - Original Building	Restore painted ceiling.	2010	\$6,607
	01.5-080C03 Painted Ceiling Structures - Original Building 01.5-080C07 Acoustic Tile Ceiling - Original Building	Replace acoustic ceiling tiles.	2010	\$6,607
Sir Winston Churchill SS, 9149	01.5-100 Washroom Accessories - Original Building	Replace metal partitions in washrooms.	2010	\$79,279
· · · · · · · · · · · · · · · · · · ·	01.5-100 Washloom Accessories - Original Building	Replace [01.5-110 Interior Stairs - Original Building]	2010	\$157,525
Sir Winston Churchill SS, 9149	01.6 Fittings & Equipment - Original Building	Replace [01.6 Fittings & Equipment - Original Building]	2010	\$2,273,459
Sir Winston Churchill SS, 9149	02.1 Vertical Movement - Original Building	Repair or replace elevation as necessary.	2010	\$66,066
,	03.1-010 (HW/S) Boilers - Original Building - HVAC	Replace [03.1-010 (HW/S) Boilers - Original Building - HVAC]	2010	\$262,410
	03.1-040 (HW/S) Boilers - Original Building - HVAC 03.1-040 (HW/S) Heat Exchangers - Original Building - DHW	Replace [03.1-040 (HW/S) Boilers - Original Building - HVAC]	2010	\$46,808
	03.1-130 Window Unit A/C - Heat&Cool	Replace window mounted AC units.	2010	\$13,213
· · · · · · · · · · · · · · · · · · ·	03.1-160 Central Station AHU - Original Building	Replace [03.1-160 Central Station AHU - Original Building]	2010	\$396,396
· · · · · · · · · · · · · · · · · · ·	03.1-170 Heating & Cooling Piping Systems	Replace heating piping systems.	2010	\$528,528
	03.1-170 Heating & Cooling Fighing Systems 03.1-180 HVAC Pumps - Original Building	Replace [03.1-180 HVAC Pumps - Original Building]	2010	\$39,640
Sir Winston Churchill SS, 9149	03.1-190 Terminal Units - Original Building	Replace [03.1-190 Terminal Units - Original Building]	2010	\$726,726
	03.1-200 Gas Piping System - Original Building	Replace [03.1-130 Terminal Onlis - Original Building]	2010	\$133,234
·	03.1-250 Ventilation Fans - Original Building	Replace [03.1-250 Gas Fighing System - Original Building]	2010	\$66,066
	03.3-010 Plumbing Fixtures - Original Building	Replace [03.3-010 Plumbing Fixtures - Original Building]	2010	\$330,330
	03.3-050 Plumbing Pixitales - Original Building	Replace [03.3-050 Plumbing Pixtures - Original Building] Replace [03.3-050 Plumbing Piping Systems - Sanitary piping	2010	\$198,198
Sir Winston Churchill SS, 9149	03.5-050 Fire Extinguishers - Original Building	Replace [03.5-050 Fide Extinguishers - Original Building]	2010	\$16,703
Sir Winston Churchill SS, 9149	04.2-010 Secondary Switchgear - Original Building	Replace [04.2-010 Secondary Switchgear - Original Building]	2010	\$99,099
Sir Winston Churchill SS, 9149	04.2-060 Cabling, Raceways & Bus Ducts - Original Building	Replace Cabling, Raceways, Bus Ducts, Circuit Breaker Panels & M.C.C. (Motor Control Center)	2010	\$462,462
Sir Winston Churchill SS, 9149	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2010	\$13,213
Sir Winston Churchill SS, 9149	04.5-030 Emergency Power System - Original Building	Replace [04.5-030 Emergency Power System - Original Building]	2010	\$118,919
Sir Winston Churchill SS, 9149	04.5-040 Communication Systems - Original Building	Replace [04.5-030 Emergency Power System - Original Building]	2010	\$66,066
	, , , , , ,			
Sir Winston Churchill SS, 9149	04.5-050 Security System - Original Building 04.6-010 Clock Systems - Original Building	Replace [04.5-050 Security System - Original Building] Replace [04.6-010 Clock Systems - Original Building]	2010 2010	\$33,033 \$33,033
Sir Winston Churchill SS, 9149	, , ,			\$33,033
Sir Winston Churchill SS, 9149	01.5-090 Window Coverings - Original Building	Replace [01.5-090 Window Coverings - Original Building]	2012	· · · · · · · · · · · · · · · · · · ·
	03.1-210 Chemical Feed System - Original Building	Replace [03.1-210 Chemical Feed System - Original Building]	2012	\$23,568
	03.3-040 Plumbing Pumps - Original Building	Replace [03.3-040 Plumbing Pumps - Original Building]	2012	\$38,493
· · · · · · · · · · · · · · · · · · ·	04.3-030 Exit Lighting - Original Building	Replace [04.3-030 Exit Lighting - Original Building]	2012	\$40,088
Sir Winston Churchill SS, Campus ID 9149 - Site	9 9	Replace [00.1-012 Signage - Site]	2013	\$12,527
	00.3-013 Unpaved Sports & Recreational Spaces - Site	Replace [00.3-013 Unpaved Sports & Recreational Spaces - Site]	2013	\$84,730
Sir Winston Churchill SS, 9149	01.5-070C04 Carpeting - Original Building	Replace [01.5-070C04 Carpeting - Original Building]	2013	\$200,557

Sir Winston Churchill SS, 9149	01.5-070C07 Hardwood - Original Building	Replace [01.5-070C07 Hardwood - Original Building]	2013	\$319,789
Sir Winston Churchill SS, 9149	01.5-060C01 Paint Wallcovering - Original Building	Replace [01.5-060C01 Paint Wallcovering - Original Building] - Restore/repaint wallcoverings.	2014	\$373,858
Sir Winston Churchill SS, 9149	03.1-260 Stacks & Breaching - Original Building	Replace [03.1-260 Stacks & Breaching - Original Building]	2014	\$43,207
Sir Winston Churchill SS, 9149	04.1-020 Primary Transformer - Original Building	Replace [04.1-020 Primary Transformer - Original Building]	2015	\$138,116
Sir Winston Churchill SS, 9149	03.2 Control Systems - Original Building	Replace [03.2 Control Systems - Original Building]	2016	\$1,020,408
Sir Winston Churchill SS, 9149	04.7 Information Technology Systems - Original Building	Replace [04.7 Information Technology Systems - Original Building]	2016	\$84,685
Sir Winston Churchill SS, Campus ID 9149 - Site		Replace [00.1-010 Underground Utilities - Site]	2017	\$468,067
Sir Winston Churchill SS, 9149	01.5-070C09 Painted/Sealed Concrete Floor - Original Building	Replace [01.5-070C09 Painted/Sealed Concrete Floor - Original Building]	2018	\$30,536
Sir Winston Churchill SS, 9149	01.5-080C05 Painted Ceiling Structures - Original Building	Replace [01.5-080C05 Painted Ceiling Structures - Original Building]	2018	\$36,006
Sir Winston Churchill SS, 9149	01.5-100 Washroom Accessories - Original Building	Replace [01.5-100 Washroom Accessories - Original Building]	2018	\$113,702
Sir Winston Churchill SS, 9149	04.3-020 Exterior Lighting - Original Building	Replace [04.3-020 Exterior Lighting - Original Building]	2018	\$25,261
Sir Winston Churchill SS, Campus ID 9149 - Site		Replace [00.1-016 Soft Landscaping - Site]	2020	\$17,538
Sir Winston Churchill SS, 9149	04.3-040 Emergency Lighting - Original Building	Replace [04.3-040 Emergency Lighting - Original Building]	2020	\$177,661
	•			\$12,894,330

⁻Renewal Needs not completed in Original Implementation Year are carried forward to Current Renewal Year.
-Total Estimated Costs has changed to reflect work completed & corrections since initial data was gathered.