

**EXPANDED CAPITAL SUPPORT
PROJECT PROPOSAL
2020-2021**

**SUBMITTED TO:
CAPITAL PLANNING AND AGREEMENTS MANAGEMENT**

JANUARY 28, 2021

INTRODUCTION

The Louis Riel School Division serves the learning needs of more than 15,500 learners in kindergarten through Grade 12. The Division is comprised of:

- 26 English schools;
- 13 French Immersion schools;
- One Technical & Vocational school;
- One Community Learning Centre.

CAPITAL PROJECT REQUESTS

The Division is submitting a formal request for funding support for the school facility capital projects to Capital Planning and Agreements Management (CPAM). All the LRSD proposed capital projects will require minimal design and are essentially ready for construction, pending funding approval. These capital improvement request include the following:

CEILING / LIGHTING REPLACEMENTS

The School Division has been replacing lights in many schools as part of an ongoing maintenance and repair. Replacement of light bulbs with efficient LED lamps has a large potential of reducing energy consumption and meeting greenhouse gas reduction goals. Below is the list of schools due for complete lighting replacement.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Collège Jeanne-Sauvé	9-12	634	Upgrade lighting to LED
Dakota Collegiate	9-12	1209	Upgrade lighting to LED throughout hallways on all three levels
Dr. D. W. Penner School	K-6	158	Upgrade lighting to LED
École George-McDowell	6-8	416	Change ceiling tiles throughout classrooms
École Henri-Bergeron	4-8	241	Upgrade lighting to LED and replace ceiling in classrooms
École Howden	K-6	327	Upgrade lighting to LED

ELECTRICAL AND FIRE SAFETY SYSTEMS

Fire alarm system at Glenlawn Collegiate is due for a complete replacement. This system is in service but becoming unreliable as it is requiring frequent maintenance, replacement parts and triggering false alarms.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Glenlawn Collegiate	9-12	908	Upgrade Fire alarm system

EXTERIOR SITE IMPROVEMENTS

The most dangerous part of the school bus ride is getting on and off the school bus. School bus loops offer a safe pick-up and drop-off of students when a school building is located in an area adjacent to high-speed and high traffic volume streets.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Marion School	K-8	112	School bus loop
Niakwa Place School	K-8	261	School bus loop
Victor Mager School	K-8	332	School bus loop

Without the layer of protective asphalt on parking lot, students, staff and visitors are at a risk of injury and accidents. Upgrading gravel parking lot with asphalt would minimize the risks of injury and accidents.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Dr. D. W. Penner School	K-6	158	Upgrade gravel parking lot with asphalt.
École George-McDowell	6-8	416	Upgrade gravel parking lot with asphalt.
École Varennes	K-8	382	Upgrade gravel parking lot with asphalt.
Glenwood School	K-8	169	Upgrade gravel parking lot with asphalt.
Lavallee School	K-8	139	Upgrade gravel parking lot with asphalt.
St. George School	K-8	329	Upgrade gravel parking lot with asphalt.
Victor H.L. Wyatt School	K-8	221	Upgrade gravel parking lot with asphalt.

Victor Mager School	K-8	332	Upgrade gravel parking lot with asphalt.
Windsor School	K-8	154	Upgrade gravel parking lot with asphalt.

FLOORING REPLACEMENTS

Asbestos in vinyl floor products becomes dangerous when microscopic fibers of the mineral are released and become airborne. If inhaled or swallowed on a regular basis over a long period of time, asbestos fibers can cause a number of serious illnesses such as asbestosis and mesothelioma. A number of schools in the Louis Riel School Division have vinyl asbestos tiles in classrooms and ancillary spaces. These vinyl asbestos tiles due for replacement.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Archwood School	K-8	179	Remove Vinyl Asbestos tile in various areas and install floor tiles
Collège Béliveau	7-12	633	Remove Vinyl Asbestos tile and install floor tiles in 102,104,122,124,202,203,204,205,207,218,219 , entrance, gymnasium, office and washrooms, photocopy room
Dakota Collegiate	9-12	1209	Remove Vinyl Asbestos tile and install floor tiles in the basement hallways, stairwells, cafeteria, weight room, office, clothing room, repair shop, classrooms 119,122,123,201,202,203,204,225,229,230
École Guyot	K-8	399	Remove Vinyl Asbestos tile and install floor tiles in classroom 5, 8, 17, 18, 19, 20, 21, 22, main hallways
École Henri-Bergeron	4-8	241	Remove Vinyl Asbestos tile and install floor tiles in classroom 1,3,6, 7, 8, 15, 17, 19, 20, 21, storage rooms, washrooms, work rooms, custodial spaces
École Howden	K-6	327	Remove Vinyl Asbestos tile and install floor tiles in classroom 3, 5, 6, 8, 10, 11, 12, 15, 17, 19, 21, 22, 23, 24, hallways
École Marie-Anne Gaboury	K-8	406	Remove Vinyl Asbestos tile and install floor tiles in BASP Room 1, Work room, Custodial storage and office
École Van Belleghem	K-8	396	Remove Vinyl Asbestos tile and install floor tiles in Room 9, library Storage and electrical room
École Varennes	K-8	382	Remove Vinyl Asbestos tile and install floor tiles in classrooms 22, 30, 32, 33, 15, washroom,

			boys and girls changerooms, staff room and main hallway
Frontenac School	K-8	428	Remove Vinyl Asbestos tile and install floor tiles in classrooms 2, 4, 5, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, music room and washroom
General Vanier School	K-8	230	Remove Vinyl Asbestos tile and install floor tiles in classrooms 1, 2, 3, 4, 6, 9, 11, 12, 14, 16, 18, 19, 20, 21, 22, 23, 24, Landing and stairs for main floor and second floor, book room, canteen, SLP washroom, Office, washrooms entrance, gymnasium storage
Glenlawn Collegiate	9-12	908	Remove Vinyl Asbestos tile and install floor tiles in basement hallway section 1 & 2, main floor hallway section 1 & 2, Junior High Graphics room, washroom 1 & 2
Glenwood School	K-8	169	Remove Vinyl Asbestos tile and install floor tiles in basement hockey room, hall, storage room, 2 back rooms with hallways, fan room, daycare space, custodial spaces
Marion School	K-8	112	Remove Vinyl Asbestos tile and install floor tiles in work room, EAL room, storage space in lower level and second floor
Nordale School	K-8	135	Remove Vinyl Asbestos tile and install floor tiles in classroom 12, 15 and canteen
St. George School	K-8	329	Remove Vinyl Asbestos tile and install floor tiles in Main floor hallway, staircase, storage room
Victor H.L. Wyatt School	K-8	221	Remove Vinyl Asbestos tile and install floor tiles in main hallway
Victor Mager School	K-8	332	Remove Vinyl Asbestos tile and install floor tiles in classroom 8, 9, 10 and staff washroom
Windsor Park Collegiate	7-12	608	Remove Vinyl Asbestos tile and install floor tiles in classroom 37, 40, 45, 108, 109, 110, 111, 112, 113, 120, band room storage rooms, lab storage
Windsor School	K-8	154	Remove Vinyl Asbestos tile and install floor tiles in classroom 3, 4, 5

HVAC SYSTEMS AND CONTROLS

Several Rooftop Units and Air Conditioning units are past its life span and is due for replacement. With every passing year, the equipment listed for each school in below table is likely to become less efficient and increase energy consumption.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Arts and Technology Centre	11-12	172	Replace ICE Rooftop Unit (50+ years)
Dakota Collegiate	9-12	1209	Penthouse air handling upgrade
Glenlawn Collegiate	9-12	908	Replace ENG Rooftop Unit (25+ years)
H.S. Paul School	K-8	396	Replace ENG Rooftop Unit (30+ years)
Lavallee School	K-8	139	Replace all Air Conditioning units (4)
Nelson McIntyre Collegiate	9-12	300	Replace three old Rooftop Unit (25+ year)
Samuel Burland School	K-8	433	Replace 30+ year old heat pumps

HVAC CONTROLS

Direct Digital Control systems will offer control over a building's heating, ventilation, air conditioning systems from a central point and help increase a building's comfort levels while decreasing its energy consumption and minimizing its impact on the environment.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Archwood School	K-8	179	Direct Digital Control for HVAC systems
Arts and Technology Centre	11-12	172	Direct Digital Control for HVAC systems
Collège Béliveau	7-12	633	Direct Digital Control for HVAC systems
Dakota Collegiate	9-12	1209	Direct Digital Control for HVAC systems
École Guyot	K-8	399	Direct Digital Control for HVAC systems
École Henri-Bergeron	4-8	241	Direct Digital Control for HVAC systems
École Howden	K-6	327	Direct Digital Control for HVAC systems
École Marie-Anne Gaboury	K-8	406	Direct Digital Control for HVAC systems
École Provencher	K-3	258	Direct Digital Control for HVAC systems
École Van Belleghem	K-8	396	Direct Digital Control for HVAC systems
École Varennes	K-8	382	Direct Digital Control for HVAC systems
Frontenac School	K-8	428	Direct Digital Control for HVAC systems
General Vanier School	K-8	230	Direct Digital Control for HVAC systems
Glenlawn Collegiate	9-12	908	Direct Digital Control for HVAC systems
Glenwood School	K-8	169	Direct Digital Control for HVAC systems

Hastings School	K-8	200	Direct Digital Control for HVAC systems
J. H. Bruns Collegiate	9-12	760	Direct Digital Control for HVAC systems
Lavallee School	K-8	139	Direct Digital Control for HVAC systems
Marion School	K-8	112	Direct Digital Control for HVAC systems
Nelson McIntyre Collegiate	9-12	300	Direct Digital Control for HVAC systems
Niakwa Place School	K-8	261	Direct Digital Control for HVAC systems
Nordale School	K-8	135	Direct Digital Control for HVAC systems
Shamrock School	K-8	498	Direct Digital Control for HVAC systems
St. George School	K-8	329	Direct Digital Control for HVAC systems
Victor Mager School	K-8	332	Direct Digital Control for HVAC systems
Windsor Park Collegiate	7-12	608	Direct Digital Control for HVAC systems
Windsor School	K-8	154	Direct Digital Control for HVAC systems

WINDOW REPLACEMENTS

Windows are in irreparable state and needs to be replaced at three schools.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Darwin School	K-8	244	Window replacement (parking lot side)
École Henri-Bergeron	4-8	241	Window replacement
Windsor Park Collegiate	7-12	608	Window replacement

SECURITY UPGRADES

The Division identified the following requests to prevent vandalism and unauthorized access to the school property.

SCHOOL NAME	GRADE CONFIGURATION	ENROLMENT (As of September 30, 2020)	PROJECT DESCRIPTION
Lavallee School	K-8	139	Demolition of relocatable unit due to uninhabitable state of the unit and increased instances of vandalism.
Minnetonka School	K-8	149	Replace Siding (Facia) of the school to deter community members from climbing on the roof.