

City of Mississauga

Briefing Note



Date: 2021/04/20

To: John Kovac, Ward 4 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Andy Harvey
Director, Traffic Management & Municipal Parking

Subject: 2021 Roads and Stormwater Capital Plan for Ward 4

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 4 in 2021. These works are also illustrated on the attached Ward 4 Roads and Stormwater Capital Plan Map.

Given the uncertainty around the COVID-19 pandemic, the delivery of the City's construction program may be impacted over the course of the year. Staff will keep your office informed of significant changes to the delivery schedule for projects within your ward.

The **Roads Capital Plan** includes roadway rehabilitation, major roads improvements, integrated road projects, bridge and culvert renewal, cycling infrastructure, sidewalk improvements, noise wall replacements and upgrades, intersection improvements, rapid transit studies, road safety projects, traffic signal modernization and the installation of new signals, streetlight replacements, and environmental site management projects.

Roadway Rehabilitation

The Roadway Rehabilitation program is focused on the renewal of the pavement, curb and sidewalk infrastructure within the roadway. Pavement renewal can range from resurfacing to full reconstruction of the roadway pavement structure. The curbs and sidewalks may also be replaced as part of the rehabilitation project if warranted by their condition. These projects are prioritized based on city-wide needs and are coordinated with other City projects, the Region of Peel, utility companies and development pressures to the extent possible and practical. The approved 2021 city-wide budget for roadway rehabilitation is \$26.2 million. With the streets carried over from 2020, this year's construction program includes 27.5 km of road surface, affecting 39 streets across the City. The table below summarizes the streets planned for rehabilitation in Ward 4 this year.

Street Name	From	To
Yale Road	Vermouth Avenue	Hyacinth Boulevard
Totals	1 Street	0.2 km

Major Roads Improvements

Projects in the Major Roads program include new roads, road widenings, multi-modal integrations, grade separations from railway corridors, and other improvements to the major roads network. Typically, a Municipal Class Environmental Assessment (EA) study is completed for each project prior to proceeding to design and construction. There is one on-going major road improvement project in Ward 4 this year.

Project Name	Project Type
Square One Drive Extension from Confederation Parkway to Rathburn Road West	Design/Construction

The first 140 metres or so of the Square One Drive Extension from Confederation Parkway westerly may proceed to construction in 2021, pending coordination with Amacon and the Region of Peel and the resolution of various timing and technical constraints.

Integrated Road Projects

The Integrated Roads Program seeks to improve the coordination of City road projects and reduce construction costs and construction nuisance/fatigue for local residents by bundling planned road improvement projects into a single construction project. Integrated Road Projects will take a complete streets approach to the planning and design of various planned road improvements which may include pavement and bridge rehabilitation; as well as pedestrian and cycling, transit, safety, noise wall, drainage and other roadway infrastructure improvements. There is one integrated project planned in Ward 4 this year.

Project Location	Project Type
Bloor Street from Central Parkway East to City Limit	EA/Design

Bridge and Culvert Renewal

The Bridge and Culvert program focuses on structural rehabilitations and replacements. For structures over watercourses, the Stormwater Team is consulted on needs or opportunities for hydraulic improvements to reduce flooding risks. One bridge project is planned in Ward 4 this year.

Project Location	Project Type
Pedestrian Overpass over Central Parkway East *	Construction

*Indicates projects that are carried over from previous years.

The Pedestrian Overpass over Central Parkway East will undergo structural renewal.

Active Transportation Structures

Active transportation structures typically include bridges or tunnels across major barriers, such as highways, railways, and rivers. New crossings have been identified in the Cycling Master Plan. No new active transportation structure projects are planned in Ward 4 this year.

Cycling Infrastructure

Mississauga's Cycling Master Plan has identified the needs, locations and priorities for cycling infrastructure improvements in the City. Examples include bike lanes and multi-use trails within the ROW. The following table summarizes the cycling infrastructure projects planned in Ward 4 this year.

Street Name	From	To	Type	Length (m)
Living Arts Drive	Rathburn Road West	Burnhamthorpe Road West	Separated Bicycle Lanes	760m

Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. No sidewalk improvement projects are planned in Ward 4 this year.

Noise Wall Replacements and Upgrades

Candidates for the Noise Wall Replacement program have been assessed based upon their existing condition, safety considerations, construction schedules and installation criteria. Noise walls scheduled for replacement are those in poor condition and which meet the installation criteria set out in Policy 09-03-03. No noise wall replacement projects are planned in Ward 4 this year.

Upgrading fences to noise walls can be done in advance of a major road project, integrated road project or through a standalone improvement project provided that the proposed noise wall meets the installation criteria set out in Policy 09-03-03. There is one noise wall upgrade project planned in Ward 4 this year.

Street Name	From	To	Side	Length (m)
Rathburn Road East	484 Kelvedon Mews	504 Kelvedon Mews	North	120

Intersection Improvements

The Intersection Improvement program includes funding for the treatment of intersections with the focus on improving safety, traffic flow and capacity. These improvements typically take the form of additional turning or through lanes to improve vehicle capacity and/or to support the installation of traffic signals. Intersection improvements are also constructed to reduce conflicts between pedestrians and motorists. No intersection improvement projects are planned in Ward 4 this year.

Rapid Transit Projects

Mississauga's Strategic Plan identifies the need to build higher order (rapid) transit corridors in the City. Rapid transit corridors typically include new dedicated transit lanes, multi-modal integration, and cycling infrastructure. The City's current rapid transit program includes three projects – the Lakeshore Higher Order Transit (HOT) corridor, the Dundas Bus Rapid Transit (BRT) corridor and the Downtown Mississauga Terminal and Transitway Connection. All three projects have approved funding to initiate environmental assessment and preliminary design studies this year. The Dundas BRT and Downtown Mississauga Terminal and Transitway Connection (DMTTC) projects fall within Ward 4.

The Dundas BRT project is underway and the first public engagement activity (online) to be held in conjunction with Metrolinx on April 19. Additional public events will be held over the year to complete the Transit Project Assessment Process (TPAP) and position parts of this project for subsequent implementation. The advancement of the project is subject to the approval of funding under Investing in Canada Infrastructure Program.

The DMTTC project plans to extend the existing Mississauga Transitway corridor along Rathburn Road and Centre View Drive through the downtown. The project includes a new terminal to serve both MiWay and GO Transit. The City continues to work collaboratively with Metrolinx to advance this project and anticipates initiating the TPAP later this year.

Road Safety Projects

Road Safety Projects include the installation of Pedestrian Crossovers and Traffic Calming measures. The installation of traffic calming measures requires the assessment of city roadways for traffic safety issues and the potential installation of physical measures, such as speed humps and raised pedestrian crossings. These projects often require public consultation prior to project approval. Project updates on all traffic calming projects can be found on the City's [website](#). No Road Safety projects are planned for Ward 4.

Street Light Replacements

The Street Light Replacement Program addresses old streetlighting infrastructure that is in critical condition and in need of replacement. The program includes the replacement of Erindale style streetlight poles. The Erindale Style poles, which only exist in Wards 8, 9 and 11, are made of steel and buried directly in the ground. The metal poles deteriorate because of their exposure to

salt and other ground minerals. No Street Light Replacement Projects are planned for Ward 4 this year.

Traffic Signal Installations

The need for the installation of a new traffic control signal is determined when signal warrant criteria are satisfied, when traffic conditions have changed significantly rendering the existing form of traffic control inefficient, and/or when imminent adjacent development indicates that signalization will be required. No new Traffic Signal Installation projects are planned in Ward 4 this year.

Traffic Signal Modernization

Existing traffic signals are modernized when the age of traffic signal equipment and the anticipated increased maintenance indicate that upgrades and/or replacements of the existing traffic signal infrastructure are required. One new Traffic Signal Modernization project is planned for Ward 4 this year.

Intersection	Type
Bloor Street at Mississauga Valley Boulevard	Traffic Signal Modernization

Environmental Site Management

This program includes conducting environmental studies, site inspections, monitoring programs and remediation of contamination in soil and/or groundwater on City-owned lands, including road allowances, easements, parks, hazard lands and municipal facilities. The primary objectives of work conducted under this capital program are to ensure that the City-owned lands are safe for the intended uses, limit the liability of the Corporation, and are not causing negative impacts to the natural environment. No environmental management projects are planned in Ward 4 this year.

The **Stormwater Capital Plan** includes watercourse improvements, storm sewer and drainage improvements, stormwater management facilities and improvements, stormwater studies and stormwater low impact development (LID) enhancements within the road right-of-way. Projects are identified by our stormwater monitoring, evaluation and maintenance programs as well as recommendations from various studies. Projects are prioritized based on city-wide needs and asset management strategies and are coordinated with other City projects, the Region of Peel, utility companies and development pressures to the extent possible and practical.

Watercourse Improvements

Projects in the Watercourse Improvements program primarily focus on the stabilization and rehabilitation of watercourses across the City to mitigate erosion hazards and protect property, infrastructure and public safety. The design and implementation of these projects are typically preceded by the completion of a Class Environmental Assessment (EA). There are three watercourse improvement projects planned for Ward 4 this year.

Project Name	Project Type
Cooksville Creek Erosion Control – CP Rail to Mississauga Valley Boulevard*	EA/Design
Cooksville Creek Erosion Control – Upstream of Mississauga Valley Boulevard*	EA/Design
Cooksville Creek Erosion Control – Upstream of Central Parkway*	Construction

* Indicates that the project was carried over from the previous year.

Storm Sewer & Drainage Improvements

The City's storm sewer network collects, conveys and discharges stormwater runoff. The system is comprised of linear assets such as pipes and point assets such as maintenance holes and catchbasins. Projects in this program include assessment, design and implementation to maintain and renew the storm sewer network. No storm sewer projects are planned for Ward 4 this year.

Stormwater Management Facilities & Improvements

Projects in this program include the design and implementation of new Stormwater Management (SWM) facilities and retrofit of existing facilities for additional flood relief and water quality. Typical improvements include dredging and rehabilitation works to maintain infrastructure as well as water quality and quantity function. There are four stormwater management projects proposed for Ward 4 this year.

Project Name	Project Type
Mississauga Valley Stormwater Management Facility (SWMF 2103)*	Design/Construction
McKenzie Park Stormwater Management Facility (SWMF 2102)*	Design
Stormwater Pond Rehabilitation (SWMF 2802) – Central Parkway Transitway Station*	Design
Quality Control Retrofit Feasibility Study and Pre-Engineering (SWMF 3602) – Driftcurrent Drive	Study

* Indicates that the project was carried over from the previous year.

Stormwater Studies

This includes the completion of flood evaluation studies, erosion control studies, master drainage plans and other planning studies. Planning and asset management studies allow staff to prioritize capital projects and improve the organization and management of stormwater infrastructure assets. Flood evaluation studies aid in the identification of infrastructure needs and the recommendation of future capital projects. No stormwater studies are planned for Ward 4 this year.

Stormwater LID Enhancements

The Stormwater Program also includes funding for Low Impact Development (LID) enhancements to be constructed within the ROW where opportunities arise. Common LID techniques within the

ROW include enhanced vegetated swales and bioretention features that promote infiltration and/or filtration. No stormwater LID projects are planned in Ward 4 this year.

Roads and Stormwater Infrastructure Communications Strategy

In partnership with the Strategic Communications Team, the Roads and Stormwater service areas are committed to improving and simplifying communications for infrastructure construction projects. This work includes developing consistent messaging for construction notice letters, improving construction project signage, clarifying communication channels and processes, and increasing public engagement through surveys and additional touch points with notice letters.

The City is planning communications to ensure residents, businesses and commuters are aware of the 2021 spring/summer construction season and where to find information on construction projects. For information about planned construction works within the City, please visit the '[Construction Map](#)' on the City's website.

New for 2021 is the introduction of a Field Ambassador Program that will help improve how we communicate with residents and businesses about construction projects taking place in their neighbourhood. The Field Ambassador will have a presence at the construction sites, particularly on our Road Rehabilitation projects, and will be available for residents and businesses to ask questions, share their feedback and get more information on the project.

If you have any questions regarding the Traffic and Streetlighting projects within your ward, please contact Andy Harvey Director, Traffic Management and Municipal Parking, at extension 5118.

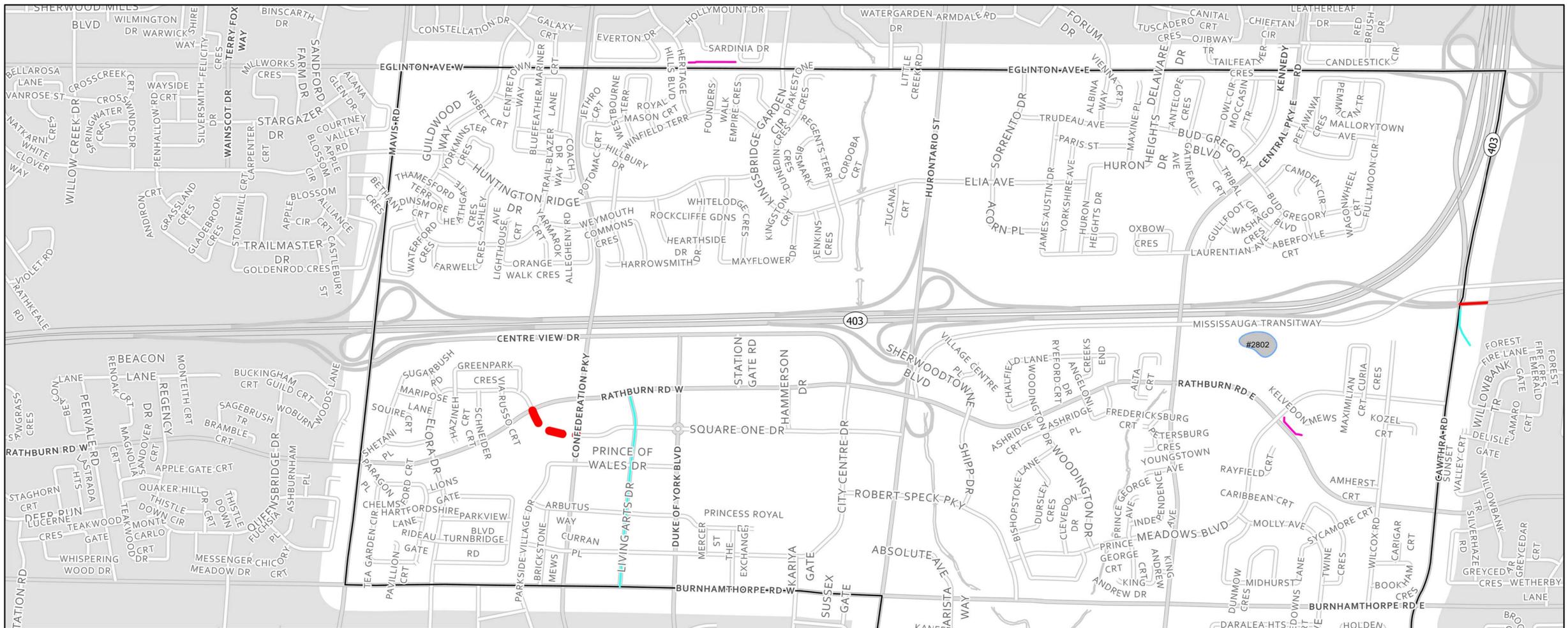
If you have any questions regarding any of the remaining Road and Stormwater projects, please contact Helen Noehammer Director, Infrastructure Planning and Engineering Services, at extension 5086.

Copies circulated to:

Mayor Bonnie Crombie
Geoff Wright, Commissioner, Transportation and Works

Attachment:

2021- Ward 4 Roads and Stormwater Capital Plan Map



WARD 4
2021 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

- | | |
|--|---|
| Major Road Improvements | Active Transportation Bridge |
| Integrated Road Project Study/Design | Active Transportation Bridge Study/Design |
| New Railway Grade Separation | Cycling Infrastructure |
| New Bridge/Culvert/Retaining Wall Structures | Cycling Infrastructure Design |
| Environmental Assessment Study/Design | Sidewalk Infrastructure |
| Bus Rapid Transit TPAP/EA Studies | Noise Wall Program |
| Road Rehabilitation | Noise Wall Study/Design |
| Bridge/Culvert/Retaining Wall Repairs | Environmental Site Assessment/Remediation |
| Bridge/Culvert/Retaining Wall Study/Design | Traffic Signal Infrastructure |
| Intersection Improvements | Erindale Pole Replacement |
| Intersection Improvements EA Study/Design | Street Light Pole Replacement |
| | Pedestrian Crossover |
| | Traffic Calming |

STORMWATER CAPITAL PLAN

- | | |
|----------------------------------|--|
| Stormwater Facility Works | Watercourse Erosion Control |
| Stormwater Facility Study/Design | Watercourse Erosion Control Study/Design |
| Storm Sewer Works | LID Enhancements |
| Storm Sewer Study/Design | LID Enhancements Study/Design |
| Storm Sewer Assessments | |

