

City of Mississauga

Briefing Note



Date: 2021/04/29

To: Chris Fonseca, Ward 3 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Andy Harvey
Director, Traffic Management & Municipal Parking

Subject: 2021 Roads and Stormwater Capital Program for Ward 3

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 3 in 2021. These works are also illustrated on the attached Ward 3 Roads and Stormwater Capital Plan Map. This briefing note provides updated information regarding Road Safety Projects and is intended to supersede the briefing note dated April 20, 2021.

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 3 this year.

| Street Name | Street From | Street To |
|-------------------------|-------------------------|-------------------------|
| Bough Beeches Boulevard | Rathburn Road East | Rathburn Road East |
| Eastgate Parkway* | Cawthra Road | Tomken Road |
| Chalkdene Grove | Bough Beeches Boulevard | Bough Beeches Boulevard |
| Parthia Crescent | Flagship Drive | Flagship Drive |
| River Mill Way | Tapestry Trail | Tapestry Trail |
| Tapestry Trail | Rathburn Road East | Ponytrail Drive |
| Tasmania Drive | Parthia Crescent | Bloor Street |
| Unicorn Court | Tapestry Trail | Road End |
| Totals: | 8 streets | 5.4 km |

*Indicates that the road was carried over from a previous year.

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. No major road improvement projects are proposed in Ward 3 this year.

Integrated Road Projects

The Integrated Road Program seeks to improve the coordination of City road projects and to 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 are three integrated projects planned in Ward 3 this year.

| Project Location | Project Type |
|--|--------------|
| Bloor Street from Central Parkway East to City Limit | Design |
| Ponytrail Drive from Rathburn Road East to Burnhamthorpe Road East | Design |
| Rathburn Road East from Dixie Road to Road End | Design |

Bridge and Culvert Renewal

The Bridge and Culvert program focuses on structural rehabilitations and replacements. For structures over creeks, the Stormwater Team is consulted on needs or opportunities for hydraulic

improvements to reduce flooding risks. The following bridge or culvert projects are planned in Ward 3 this year.

| Project Location | Project Type |
|--|--------------|
| Bloor Street over Little Etobicoke Creek | Construction |
| Eglinton Avenue East over Little Etobicoke Creek | Construction |
| Ponytrail Drive over Etobicoke Creek Tributary | Design |

The Bloor Street and Eglinton Avenue East bridges over Little Etobicoke Creek will undergo structural renewal. The Ponytrail Drive over Etobicoke Creek Tributary culvert will undergo design for its replacement.

Active Transportation Structures

Active transportation structures typically include bridges or tunnels across major barriers such as highways, railways, and rivers. New crossing locations have been identified in the Cycling Master Plan. No active transportation structure projects are planned in Ward 3 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 cycling infrastructure projects are planned in Ward 3 this year.

| Street Name | From | To | Type/ Length (m) |
|----------------------|------------------|--------------------------|------------------------|
| Cawthra Road | Eastgate Parkway | Forest Fire Lane Walkway | Multi-Use Trail/248m |
| Eglinton Avenue East | Tomken Road | Eastgate Parkway | Multi-Use Trail/2,033m |

Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. The following sidewalk improvement project is planned in Ward 3 this year.

| Street Name | From | To | Side | Length (m) |
|-------------|------------------------------|-------------------------------|------|------------|
| Tomken Road | 35m south of School Entrance | 85m North of Eastgate Parkway | West | 178 |

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. There is one noise wall replacement project planned in Ward 3 this year.

| Street Name | From | To | Side | Length (m) |
|--------------------|---------------------|---------------------|-------|------------|
| Rathburn Road East | 4198 Capilano Court | 4199 Capilano Court | North | 64 |

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 are two noise wall upgrade projects planned in Ward 3 this year.

| Street Name | From | To | Side | Length (m) |
|---------------------|-------------------|--------------------|-------|------------|
| Rathburn Road East* | 1543 Bryce Road | 1591 Bryce Road | South | 194 |
| Rathburn Road East* | 1508 Grazia Court | 1608 Anworld Court | North | 269 |

*Project carried over from the previous year.

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 turn lanes to improve vehicle capacity 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 3 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 projects fall within Ward 3.

The Dundas BRT project is underway and the first public engagement activity (online) to be held in conjunction with Metrolinx is scheduled for April 19. Additional public events will be held over the year to complete the Transit Project Assessment Process 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.

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](#). There are four road safety projects under consideration for Ward 3 this year. The Flagship Drive project is in the planning stages and the Golden Orchard Drive and Willowbank Trail projects are in the public consultation phase.

| Street / Location | Type of Road Safety Project |
|--|------------------------------------|
| Flagship Drive – between Rymal Road and Queen Frederica Drive | Traffic Calming Measures |
| Golden Orchard Drive – between Willowbank Trail and Rathburn Road East, and between Burnhamthorpe Road East and Bloor Street | Traffic Calming Measures |
| Willowbank Trail – between Tomken Road and Rathburn Road East | Traffic Calming Measures |

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 3 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. One new traffic signal is proposed in Ward 3 pending Council approval.

| Street / Location | Type of Project |
|--|------------------------|
| Rathburn Road East Midblock Immediately West of Golden Orchard Drive At Applewood Trails | New Traffic Signal |

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. No new Traffic Signal Modernization projects are planned in Ward 3 this year.

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. There is one environmental site management project planned in Ward 3 this year.

| Project Location | Project Type |
|-------------------|---------------------------------------|
| Burnhamdale Park* | Environmental Bio-accessibility Study |

* This project is not reflected on the Road and Stormwater Capital Plan Map.

The activities proposed in this project involve the collection of soil samples using hand-held equipment. There may be some minor, short-term noise disturbances depending on the type of equipment used.

The **Stormwater Capital Program** includes watercourse improvements, storm sewer and drainage improvements, stormwater management facilities and improvements, stormwater studies and stormwater low impact development (LID) enhancements within the right-of-way (ROW). 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. There is one watercourse improvement project planned in Ward 3 this year.

| Project Name | Project Type |
|--|--------------|
| Etobicoke Creek Erosion Control – Ponytrail Drive to Bloor Street* | Construction |

*Indicates that the project was carried over from a 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 in Ward 3 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 three stormwater management projects planned for Ward 3 this year.

| Project Name | Project Type |
|---|--------------|
| Stormwater Pond Dredging (SWMF 2701) – Dixie Transitway Station* | Design |
| Stormwater Pond Rehabilitation (SWMF 2702) - Tomken Transitway Station* | Design |
| Dixie-Dundas Drainage Improvements: Dixie Rd and Dundas Street East Area* | EA & Design |

*Indicates that the project was carried over from a 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 in Ward 3 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 3 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 3 Roads and Stormwater Capital Plan Map

WARD 3
2021 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

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

STORMWATER CAPITAL PLAN

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

SCALE 1:15000

0 100 200 300 400 500 Meters

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