

# City of Mississauga

## Briefing Note



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Date: 2022/05/13

To: John Kovac, Ward 4 Councillor

From: Helen Noehammer  
Director, Infrastructure Planning & Engineering Services

Andy Harvey  
Director, Traffic Management & Municipal Parking

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Director, Rapid Transit Program Office

Subject: 2022 Roads and Stormwater Capital Plan for Ward 4

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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 2022. These works are also illustrated on the attached Ward 4 Roads and Stormwater Capital Plan Map.

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 2022 city-wide budget for roadway rehabilitation is \$38 million. With the streets carried over from 2021, this year's construction program includes 32.4 km of road surface, affecting 63 streets across the City. The table below summarizes the streets planned for rehabilitation in Ward 4 this year.

<b>STREET NAME</b>	<b>FROM</b>	<b>TO</b>
HARROWSMITH DRIVE	HUNTINGTON RIDGE DRIVE	CUL-DE-SAC
<b>TOTAL</b>	<b>1 STREET</b>	<b>0.7 KM</b>

### 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.

<b>Project Name</b>	<b>Project Type</b>
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 2022, 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. The following table summarizes the integrated projects planned in Ward 4 this year.

<b>Project Location</b>	<b>Project Type</b>
Bloor Street from Central Parkway East to Etobicoke Creek	Study
Kariya Gate / Drive from City Centre Drive to Elm Drive West	Study
Central Parkway East from Hurontario Street to Burnhamthorpe Road	Study

### 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. No bridge or culvert renewal projects are planned in Ward 4 this year.

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 road right-of-way. No cycling infrastructure projects are planned in Ward 4 this year.

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
Rathburn Road East*	484 Kelvedon Mews	504 Kelvedon Mews	North	120 m

\*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 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 four main projects, some of which are split into separate projects – the Hurontario Light Rapid Transit (LRT)

(implementation led by Metrolinx), the Lakeshore Higher Order Transit (HOT) corridor, the Dundas Bus Rapid Transit (BRT) corridor and the Downtown Mississauga Terminal and Transitway Connection. The Hurontario LRT is well under construction, scheduled for completion in late 2024. Implementation funding has been approved for the Lakeshore BRT and Dundas BRT Mississauga East through the Investing in Canada Infrastructure Program (ICIP). Project timelines for construction are currently under development. The remaining projects have approved funding to undertake environmental assessment and preliminary design studies. The rapid transit projects which fall within Ward 4 are summarized in the following table.

Project Name	Project Type	Update / Completion	Ward
Hurontario LRT (Hazel McCallion Line) Implementation led by Metrolinx	Design / Construction	Completion scheduled for late 2024	Ward 1, 4, 5, 7
Downtown Mississauga Terminal and Transitway Connection (DMTTC)	EA Study / TPAP Study	Anticipated study commencement in late 2022	Ward 4
Dundas Bus Rapid Transit (BRT) Mississauga East – Cooksville Etobicoke Creek	Design / Construction	Design commencement in 2022* Project timelines under development	Wards 1, 3, 4, 7

\* Property acquisitions to commence with design in 2022

### 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](#). One Road Safety project is planned for Ward 4 this year.

Location	Type	Status
Mississauga Valley Boulevard at Mississauga Valley Park	Pedestrian Crossover	Construction Planned

### 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. One new traffic signal installation project is planned for Ward 4 this year.

Intersection	Type
Burnhamthorpe Road West at Parkside Village Drive/Quartz Road	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. 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 two watercourse improvement projects planned for Ward 4 this year.

<b>Project Name</b>	<b>Project Type</b>
Cooksville Creek Erosion Control – CP Rail to Mississauga Valley Boulevard*	EA/Design
Cooksville Creek Erosion Control – Upstream of Mississauga Valley Boulevard*	EA/Design

\* 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.

<b>Project Name</b>	<b>Project Type</b>
Mississauga Valley Stormwater Management Facility (SWMF 2103)*	Construction
McKenzie Park Stormwater Management Facility (SWMF 2102)*	Design & Construction
Stormwater Pond Rehabilitation (SWMF 2802) – Central Parkway Transitway Station*	Design
Huron Heights Park Stormwater Management Facility (SWMF 2805)	Design

\* 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 2022 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.

Building on the success of the Field Ambassador Program introduced in 2021, we are continuing with the Program in 2022. The Program 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 Road Safety, Traffic Signal or Streetlighting projects within your ward, please contact Andy Harvey, Director, Traffic Management and Municipal Parking, at extension 5118.

If you have any questions regarding the Rapid Transit projects within your ward, please contact Joe Perrotta, Director, Rapid Transit Program Office, at extension 5125.

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.

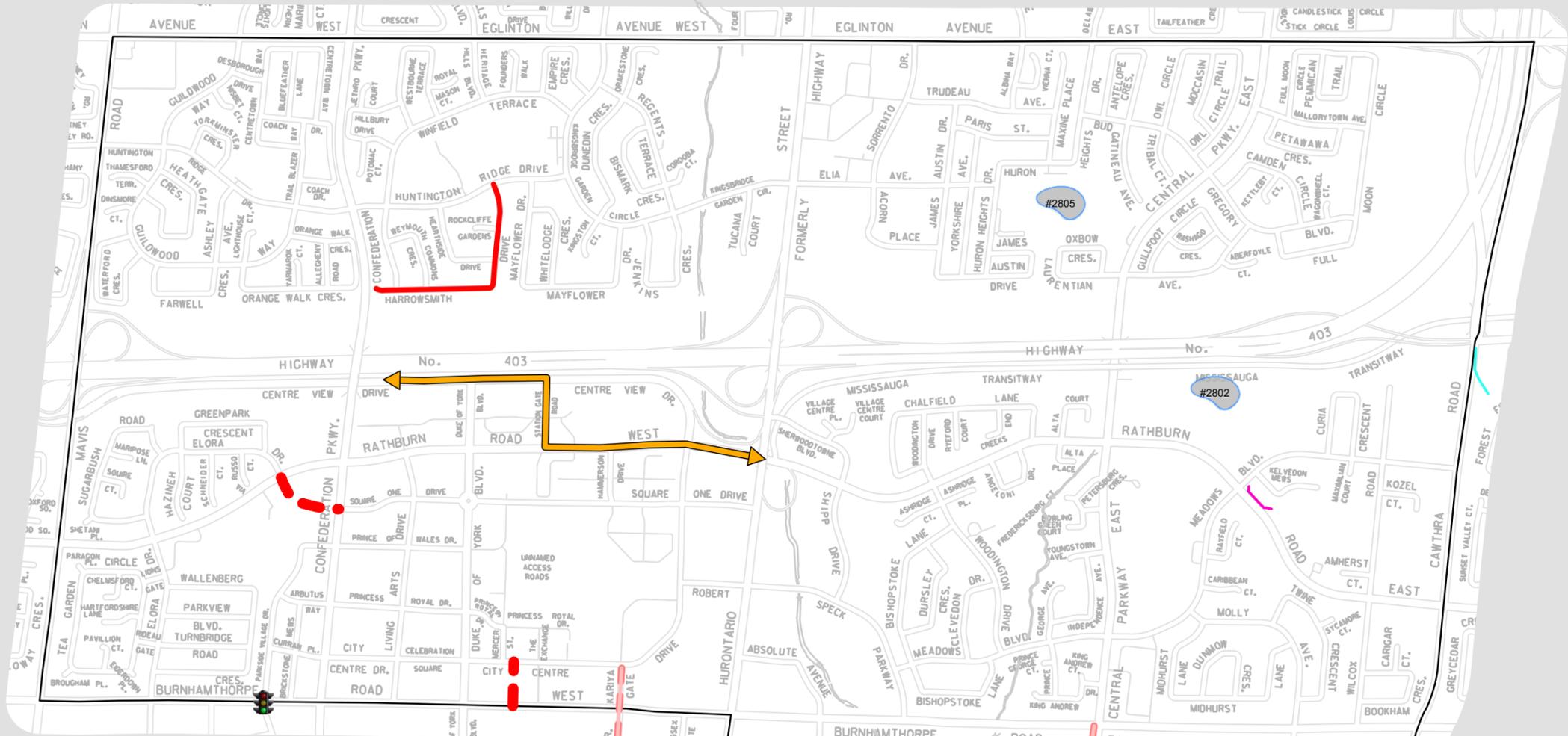
**Copies circulated to:**

Mayor Bonnie Crombie

Geoff Wright, Commissioner of Transportation and Works

**Attachment:**

2022 - Ward 4 Roads and Stormwater Capital Plan Map



WARD 4

2022 ROADS AND STORMWATER CAPITAL PLAN

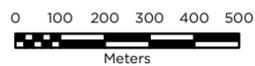
ROAD CAPITAL PLAN

- 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 TPAP/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



Produced by CPS, Geospatial Solutions