

# City of Mississauga

## Briefing Note



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Date: 2023/04/10

To: Councillor Dipika Damerla  
Ward 7

From: Sam Rogers  
Director, Infrastructure Planning and Engineering Services

Andy Harvey  
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Subject: 2023 Roads and Stormwater Capital Plan for Ward 7

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The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment projects planned for Ward 7 in 2023. These projects are also illustrated on the attached Ward 7 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. 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 2023 city-wide budget for roadway rehabilitation is \$18.9 million. With the streets carried over from 2022, this year's construction program includes 27.1 km of road surface, affecting 30 streets across the City. There are no road rehabilitation projects planned in Ward 7 this 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. The following table summarizes the major roads projects that are underway in Ward 7 this year.

Street Name	From	To	Project Type
Kariya Drive (Extension)	End of Kariya Drive	Central Parkway West	Design

## Integrated Road Projects

The Integrated Roads Program seeks to improve the coordination of City road projects and to reduce construction costs and 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 structure rehabilitation; as well as pedestrian and cycling, transit, safety, noise wall, drainage and other road infrastructure improvements. The following table summarizes the integrated projects planned in Ward 7 this year.

Project Name	Project Type
Kariya Drive / Kariya Gate from City Centre Drive to Elm Drive West	Study

## Bridge, Culvert and Retaining Wall Renewal

The Bridge, Culvert and Retaining Wall Renewal 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. The following projects are planned in Ward 7 this year.

Project Name	Project Type	Update
Mavis Road Slope Stabilization	Design	Design ongoing
King Street East Culvert over Cooksville Creek*	Construction	Design to be completed in in 2023. Construction anticipated in 2024
Dundas Street West Retaining Walls East of the Credit River (North Side)	Construction	Construction anticipated in Summer 2023
Dundas Street West Retaining Walls East of Proudfoot Street (North Side)	Construction	Construction anticipated in Summer 2023

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\*Indicates projects carried over from previous years

Design work is underway to stabilize the slope along the west side of Mavis Road south of Dundas Street West. This project is currently ongoing. Two sections of retaining walls along Dundas Street West east of the Credit River will be replaced. For these walls, the slope will be stabilized and the affected sidewalks will be replaced and reopened to the public following construction. In order to provide pedestrians with an alternative route, minor upgrades were completed on the sidewalk on the south side of Dundas Street West. Construction is anticipated to start in 2023.

### Active Transportation Structures

Active transportation structures typically include bridges or tunnels across major barriers, such as highways, railways, and rivers. New crossing priorities have been identified in the Cycling Master Plan. There are two active transportation structure projects planned for Ward 7 this year.

Project Name	Project Type
QEW Active Transportation Crossing over the Credit River	Construction, led by MTO
Stavebank Road Active Transportation Crossing over QEW	Construction, led by MTO

### 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. There are no cycling infrastructure projects planned in Ward 7 this year.

### Sidewalk Improvements

Mississauga's Pedestrian Master Plan has identified the needs, locations, and priorities for pedestrian infrastructure improvements in the City. Projects in the annual Sidewalk Program focus on filling in gaps in the network to improve safety, accessibility, and connectivity for pedestrians. There are no sidewalk improvement projects planned in Ward 7 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 7 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. No noise wall upgrade projects are planned in Ward 7 this 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 undertaken to reduce conflicts between pedestrians and motorists. No intersection improvement projects are planned in Ward 7 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 7 are summarized in the following table.

Project Name	Project Type	Update	Ward
Hurontario LRT (Hazel McCallion Line) Implementation led by Metrolinx	Design/ Construction	Completion scheduled for late 2024	Ward 1, 4, 5, 7
Dundas Bus Rapid Transit (BRT) Mississauga East – Cooksville Etobicoke Creek	Design/ Construction	Design commencement in 2023* Project timelines under development	Wards 1, 3, 4, 7
Dundas Bus Rapid Transit (BRT) Mississauga West – Cooksville to West City limit	EA Study/ TPAP Study	Study completion in 2023	Wards 2, 6, 7, 8

\* Property acquisitions to commence with design in 2023

### Road Safety Projects

Road Safety Projects include the installation of Pedestrian Crossovers (PXO) 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](#). Three Road Safety projects are planned for Ward 7.

Street / Location	Type Project	Status
King Street E from Hurontario Street to Camilla Road	Traffic Calming	Out for public consultation
Clayhill Road at multi-se trail	PXO	Scheduled for 2023 construction
Kirwin Avenue at multi-use trail	PXO	Scheduled for 2023 construction

### 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.

### 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 7 this year.

Intersection	Type
Central Parkway West at Achill Crescent East	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 7 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. No environmental site management projects are planned in Ward 7 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 citywide 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 7 this year.

Project Name	Project Type
Wolfedale Creek Erosion Control – Burnhamthorpe Road to Credit River*	EA/Design
Cooksville Creek Erosion Control – Camilla Road to North Service Road*	EA/Design
Cooksville Creek Erosion Control – CP Rail to Kirwin Avenue*	Construction

\*Indicates projects carried over from previous years

## 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 7 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. No stormwater management facility projects are planned for Ward 7 this 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 7 this year.

### **Stormwater LID Enhancements**

The Stormwater Program also includes funding for Low Impact Development (LID) enhancements to be constructed within the road right-of-way where opportunities arise. Common LID techniques within the right-of-way include enhanced vegetated swales and bio retention features that promote infiltration and/or filtration. No LID projects are planned for Ward 7 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 2023 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.

The Field Ambassador Program, introduced in 2021, will continue in 2023 to help improve how the City communicates with residents and businesses about construction projects taking place in their neighbourhoods. 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 Sam Rogers, Director, Infrastructure Planning and Engineering Services, at extension 5086.

**Copies circulated to:**

Mayor Bonnie Crombie

Geoff Wright, Commissioner of Transportation and Works

**Attachment:**

2023 - Ward 7 Roads and Stormwater Capital Plan Map



WARD 7

2023 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

Major Road Improvements

Integrated Road Project

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

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Meters

Produced by CPS, Geospatial Solutions

This map displays the 2023 Roads and Stormwater Capital Plan for Ward 7. The map area is bounded by Dundas Street West to the north, Hurontario Highway to the east, and the Mississauga River to the west. A prominent orange line runs horizontally across the middle of the map, representing a major road improvement project along Dundas Street West. To the north of this line, various residential streets are shown, including Webb Drive, Commonweal Drive, and Central Drive. To the south, streets like Queensway, Hurontario Highway, and various local roads are visible. The map uses a color-coded system to indicate different types of infrastructure projects: orange for major road improvements, blue for watercourse erosion control, green for LID enhancements, and red for bridge/culvert/retaining wall repairs. A scale bar at the bottom left indicates a scale of 1:15,000, with distances up to 500 meters. A north arrow is also present. The map is produced by CPS, Geospatial Solutions.