

# City of Mississauga

## Briefing Note



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Date: 2023/04/10

To: Councillor Carolyn Parrish  
Ward 5

From: Sam Rogers  
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Subject: 2023 Roads and Stormwater Capital Plan for Ward 5

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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 5 in 2023. These projects are also illustrated on the attached Ward 5 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. The table below summarizes the streets planned for rehabilitation in Ward 5 this year.

Street Name	From	To
Aimco Boulevard	Maingate Drive	Dixie Road
Bath Road	Slough Street	Slough Street
Bradco Boulevard	Aimco Boulevard	Matheson Boulevard East
Drew Road	Torbram Road	East End
Kimbel Street	Kimbel Street	Torbram Road
General Road	Aimco Boulevard	Matheson Boulevard
*Matheson Boulevard East	Creekbank Road	East End
Meyerside Drive	Tomken Road	Dixie Road
Slough Street	Bath Road	Airport Road
<b>Total</b>	<b>9 Streets</b>	<b>10.0 km</b>

\*Indicates projects that are carried over from previous years.

## 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 EAs and major road improvement projects that are continuing or will be initiated in Ward 5 this year.

Street Name	From	To	Project Type
Goreway Drive Grade Separation	Brandon Gate Drive	Kenview Boulevard (Brampton)	Construction
Torbram Road – Sewer Tunneling	Rena Road	Kimbel Street	Design
McLaughlin Road	Britannia Road West	Bristol Road West	Corridor Study
*Courtneypark Drive East Bridge Widening and Ramp Improvements	Highway 410/Courtneypark Drive Interchange		Construction (MTO led project)

\* MTO led project. Not reflected on the Road and Stormwater Capital Plan Map.

The Goreway Drive Grade Separation project has completed the tendering process and the Contract is expected to be awarded soon.

The MTO is nearing completion of the Highway 410/Courtneypark Drive East interchange ramp and bridge improvements project. This is a jointly funded project between the City, the MTO and the Region of Peel.

## 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 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 roadway infrastructure improvements. There is one integrated road project planned in Ward 5 this year.

Project Location	Project Type
Matheson Boulevard from Mavis Road to McLaughlin Road	Study – Ongoing

### 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. Two bridge projects are planned in Ward 5 this year.

Project Location	Project Type	Status
Scarboro Street over West Branch Mimico Creek	Detailed Condition Survey	In progress
Eglinton Avenue East Bridge Rehabilitation over Little Etobicoke Creek*	Construction	Anticipated completion Fall 2023

\*Indicates projects that are carried over from previous years.

The Scarboro Street Structure is in the detailed condition survey phase that will inform the extent of repair or renewal works required to be carried out in a future year. The Eglinton Avenue East bridge over Little Etobicoke Creek will undergo structural renewal, with completion anticipated in the fall of 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 no active transportation structure projects planned in Ward 5 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 right-of-way. The following table summarizes the cycling infrastructure works planned in Ward 5 this year.

Street Name	From	To	Facility Type	Length
American Drive	Airport Road	Northwest Drive	Bicycle Lanes	1.3 km
Kennedy Road	Britannia Road East	Matheson Boulevard East	Multi-Use Trail (east side)	1.3 km
Matheson Boulevard East	Creekbank Road	Commerce Boulevard	Cycle Tracks	3.0 km
Orbitor Drive	Explorer Drive	Matheson Boulevard East	Bicycle Lanes	0.5 km

## Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. The following sidewalk improvement projects are planned in Ward 5 this year.

Street Name	From	To	Side / Length
Aimco Boulevard	Maingate Drive	Dixie Road	North / 800 m
Bath Road	Thamesgate Drive	Rena Road	Both / 555 m
Bradco Boulevard	Aimco Boulevard	Matheson Boulevard East	Both / 645 m
Cardiff Boulevard	Tomken Road	60 m west of Lorimar Drive	North / 185 m
General Road	Aimco Boulevard	Matheson Boulevard East	Both / 660 m
Slough Street	Bath Road	Airport Road	North / 240 m
Bath Road	Slough Street	Thamesgate Drive	West / 335 m
Kimbel Street	Torbram Road	End	Both / 745 m
Watline Avenue	Whittle Road	Kennedy Road	North / 1080 m
McAdam Road	Watline Avenue	Matheson Road East	North / 920 m
Traders Boulevard East	Whittle Road	Kennedy Road	North / 1080 m

## 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 5 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 5 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 constructed to reduce conflicts between pedestrians and motorists. There are two intersection improvement projects planned in Ward 5 this year.

Project Name	Project Type
Derry Road East at Tomken Road	Enhanced Bus Shelter and Queue Jump Lane
Derry Road East at Kennedy Road	Enhanced Bus Shelter and Queue Jump Lane

### 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 project which falls within Ward 5 is 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

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

### 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](#). There are two road safety projects under consideration for Ward 5.

Project Location	Project Type	Status
Darcel Avenue	Traffic Calming	Design
Barondale Drive	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. No street light projects are planned for Ward 5 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 for Ward 5 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. Two new traffic signal modernization projects are planned in Ward 5 this year.

<b>Intersection</b>	<b>Type</b>
Torbram Road at Kimbel Street*	Traffic Signal Modernization
Matheson Boulevard East at Timberlea Boulevard*	Traffic Signal Modernization

\* Indicates that the project was carried over from the previous 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 for Ward 5 this year.

<b>Project Location</b>	<b>Project Type</b>
376 Barondale Drive	Groundwater and Landfill Gas Monitoring

This program will involve the collection of groundwater samples and measurements of groundwater and landfill levels from previously installed monitoring points. It is not anticipated that such activities would cause any noise or other nuisances.

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 two watercourse improvement projects planned for Ward 5 this year.

Project Name	Project Type
Mimico Creek Erosion Control – Etude Drive to Derry Road East*	Design
Mimico Creek Erosion Control – Upstream and Downstream of Rena Road*	Design

\* Indicates 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. There is one storm sewer project planned for Ward 5 this year.

Project Name	Project Type
Britannia Road East Storm Sewer Replacement and Slope Stabilization*	Construction

\* Indicates the project was carried over from the previous 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 planned for Ward 5 this year.

Project Name	Project Type
Quality Control Retrofit Feasibility Study and Pre-Engineering (SWMF 3602) – Driftcurrent Drive	Design
Greyscale Park Stormwater Management Facility (SWMF 3703)	Design
King's Park Stormwater Management Facility (SWMF 5001) **	Construction
Malton Flood Mitigation Improvements - Etude Drive to Justine Drive***	EA & Design

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

\*\* Indicates the project is being led by TRCA.

\*\*\* Project is being led by TRCA. Not reflected on the Road and Stormwater Capital Plan Map.

**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 5 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 bioretention features that promote infiltration and/or filtration. No stormwater LID projects are planned in Ward 5 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:**

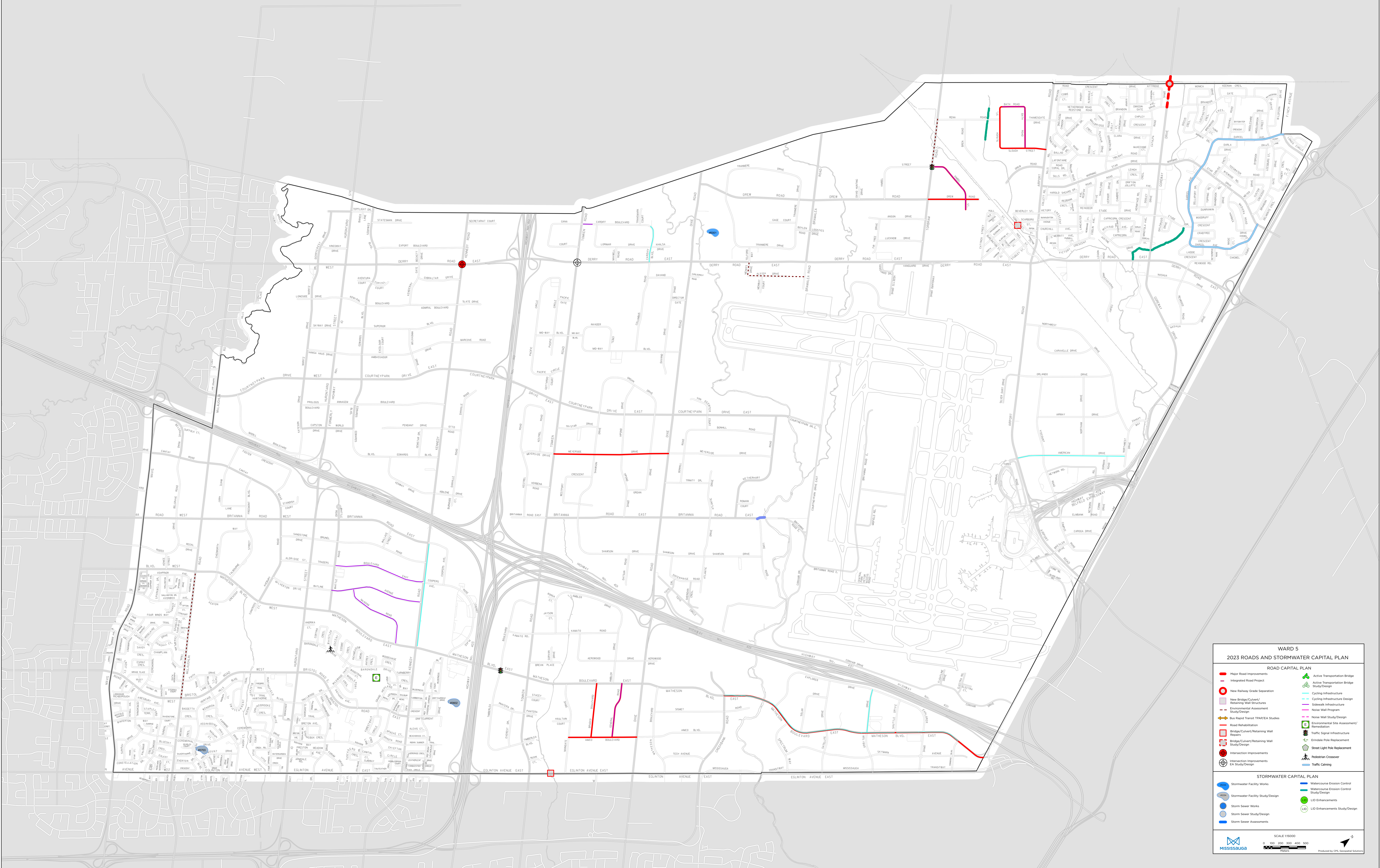
Mayor Bonnie Crombie  
Geoff Wright, Commissioner of Transportation and Works



**Attachment:**

2023 - Ward 5 Roads and Stormwater Capital Plan Map





WARD 5

2023 ROADS AND STORMWATER 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 TPA/EA Studies

Bridges/Culverts/Retaining Wall Repairs

Bridges/Culverts/Retaining Wall Study/Design

Intersection Improvements

Intersection Improvements EA Study/Design

Active Transportation Bridge Study/Design

New Bridge/Culvert/Retaining Wall Structures

Cycling Infrastructure Study/Design

Noise Wall Program

Noise Wall Study/Design

Environmental Site Assessment/Radiation

Traffic Signal Infrastructure

Ensemble Pole Replacement

Street Light Pole Replacement

Traffic Calming

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 1:5000

0 100 200 300 400 500

Feet

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