

City of Mississauga

Briefing Note



Date: 2023/04/10

To: Councillor Alvin Tedjo
Ward 2

From: Sam Rogers
Director, Infrastructure Planning and Engineering Services

Andy Harvey
Director, Traffic Management and Municipal Parking

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Director, Rapid Transit Program Office

Subject: 2023 Roads and Stormwater Capital Plan for Ward 2

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment projects planned for Ward 2 in 2023. These projects are also illustrated on the attached Ward 2 Roads and Stormwater Capital Plan Map.

The Roads Capital Plan includes roadway rehabilitation, major road 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 2 this year.

Street Name	From	To
Elite Road	Elite Road	Wembury Road
Indian Grove	Indian Road	South Sheridan Way
Speakman Drive	Hadwen Road	Sheridan Park Drive
Southdown Road	QEW/South Sheridan Way	Wiseman Court
Wembury Road	Wembury Road	Camelford Road
Total	5 Streets	3.4 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 are no major road improvement projects underway or planned in Ward 2 this year.

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 roadway infrastructure improvements. No integrated road projects are planned in Ward 2 this year.

Bridge, Culvert and Retaining Wall Renewal

The Bridge, Culvert, and Retaining Wall 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 table summarizes the projects planned in Ward 2 this year.

Project Location	Project Type	Update
Meadow Wood Retaining Wall	Design/Construction	Construction Spring/Summer 2023
Brookhurst Drive Retaining Wall	Design/Construction	Construction Spring/Summer 2023
Birchview Drive Culvert over Lornewood Creek	Culvert Lining/Replacement	Construction anticipated for Summer/Fall 2023
Birchview Drive Culvert over East Branch of Lornewood Creek	Culvert Lining/Replacement	Construction anticipated for Summer/Fall 2023
Indian Road Culvert over Tecumseh Creek	Culvert Lining/Replacement	Construction anticipated for Summer/Fall 2023

The retaining walls in front of 927 Meadow Wood Road and at the corner of Brookhurst Road and Seagull Drive will be replaced. Additionally, there are three culverts – two on Birchwood Drive and one on Indian Road – that are being evaluated for either a lining operation or replacement.

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 is one active transportation structure projects planned in Ward 2 this year, as summarized in the following table.

Project Name	Project Type
Active Transportation Bridge over Credit River (QEW)	Construction as part of MTO project

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. The following table summarizes the cycling infrastructure projects planned in Ward 2 this year.

Street Name	From	To	Type	Length
Southdown Road	South Sheridan Way	Truscott Drive	Multi-Use Trail (east side)	0.5 km

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.

A noise wall replacement project at the south-west corner of Dundas Street and Erin Mills Parkway is currently in the preliminary planning stage. Notification and Consent to Enter (CTE) agreement letters will be sent to affected residents in 2023 ahead of construction which is anticipated to start in 2024.

Street Name	From	To	Side/Length	Update
Dundas Street West	2671 Comet Court	2689 Comet Court	South/ 71 m	Currently in the Preliminary Design phase; Notification and Consent to Enter (CTE) agreement letters to be sent to affected residents in 2023. Construction expected in 2024.

The upgrading of 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. Construction of noise wall upgrades at two locations along Southdown Road is continuing this year in Ward 2.

Street Name	From	To	Side/Length	Update
Southdown Road*	2025 Davebrook Road	2183 Davebrook Road	East/ 560 m	Completion Summer 2023
Southdown Road*	1426 Ludbrook Court	1293 Canford Crescent	West/ 350 m	Completion Summer 2023

*Indicates that the noise wall project was carried over from a 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.

In response to operational concerns at the Southdown Road & Lushes Avenue intersection, the City has initiated an internal review to improve existing operations at this intersection. Southdown Road accommodates many heavy vehicles and the City is reviewing operational and/or geometric improvements in the northbound direction, approaching Lakeshore Road West/Royal Windsor Drive.

Project Name	Project Type
Southdown Road & Lushes Avenue	Internal Review

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 2 are summarized in the following table.

Project Name	Project Type	Update / Completion	Ward
Lakeshore Complete Street Study – East Avenue to West City limit	EA Study	Study completion in 2023	Wards 1, 2
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](#). There are a number of road safety projects planned for Ward 2 this year, as summarized in the following table.

Street / Location	Type of Road Safety Project	Status
Queen Street West	Traffic Calming	Approved for 2023 construction
Orr Road	Traffic Calming	Approved for 2023 construction
Meadow Wood Road	Traffic Calming	Approved for 2023 construction
Bromsgrove Road	Traffic Calming/PXO	Approved for 2023 construction
Brookhurst Road	Traffic Calming	Approved for 2023 construction
Seagull Drive	Traffic Calming	Approved for 2023 construction
Lewisham Drive	Traffic Calming	Approved for 2023 construction
Bonner Road	Traffic Calming	Approved for 2023 construction
Indian Grove	Traffic Calming/PXO	Out for public consultation
Truscott Drive (at Mazo Crescent)	PXO	Scheduled for 2023 construction
Lorne Park Road (at Queen Street West)	PXO	Under 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 Replacement Projects are planned for Ward 2 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 2 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. No new Traffic Signal Modernization projects are planned in Ward 2 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 for Ward 2 this year.

Project Location	Project Type
Birchwood Park*	Groundwater Sampling and Cap Inspection

* Project carried over from previous year.

The program for Birchwood Park involves a site inspection and the collection of groundwater samples from previously installed wells. 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 2 this year.

Project Name	Project Type
Loyalist Creek Erosion Control – Thornlodge Drive to Thornlodge Drive*	Construction
Sheridan Creek Erosion Control - Lushes Avenue to Clarkson Road South*	Design & Construction

* Project carried over from 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 2 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 two stormwater management facility projects planned for Ward 2 this year.

Project Name	Project Type
SWM Pond Dredging & Rehabilitation – SWMF #0901	Design
SWM Pond Dredging & Rehabilitation – SWMF #1001	Design

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 2 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 LID projects are planned in Ward 2 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.

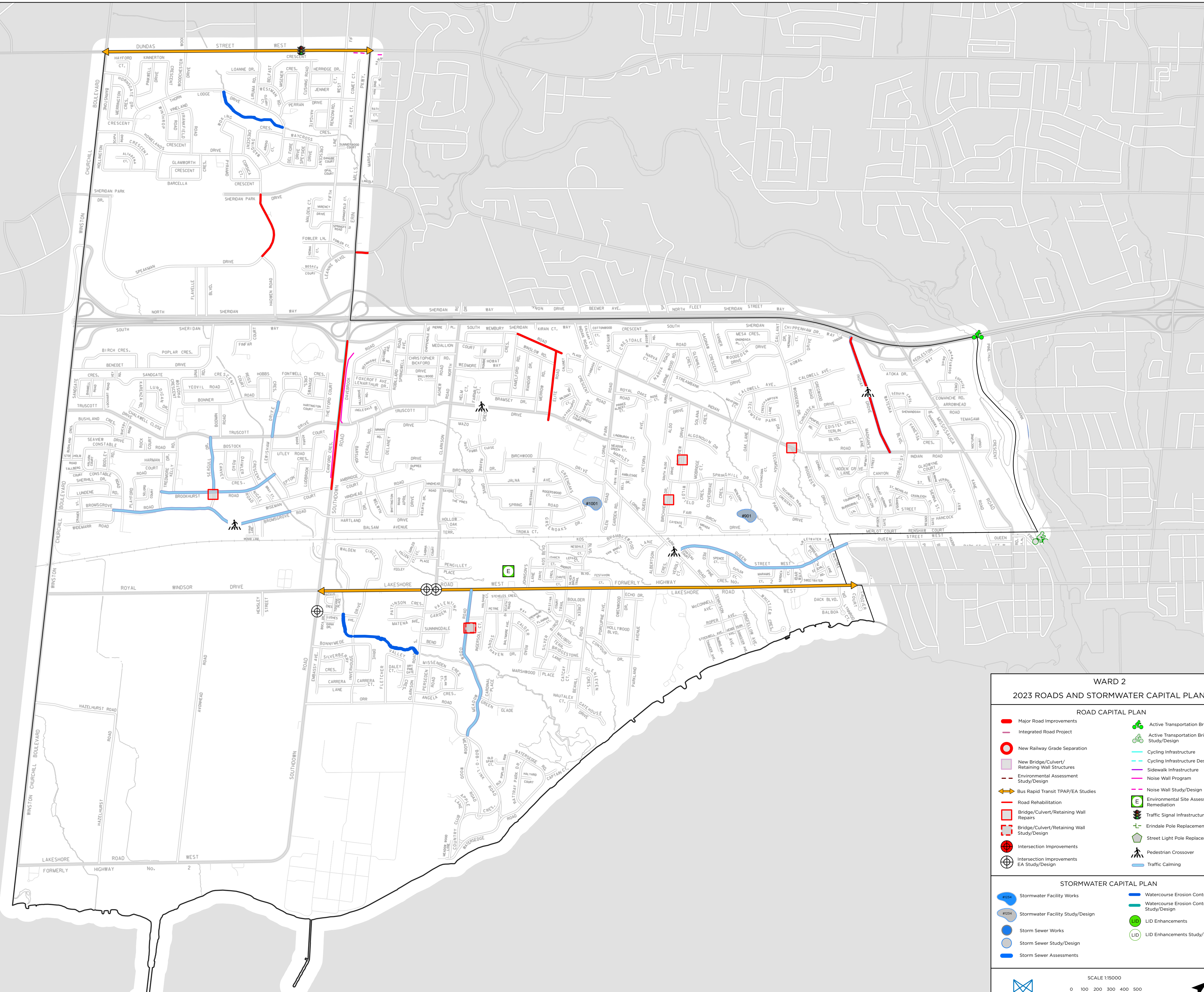
If you have any questions regarding any of the remaining Road and Stormwater projects, please contact Sam Rogers, Director, Infrastructure Planning and Engineering Services, at extension 5086.

Copies circulated to:

Mayor Bonnie Crombie
Geoff Wright, Commissioner of Transportation and Works

Attachment:

2023 - Ward 2 Roads and Stormwater Capital Plan Map



WARD 2

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 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 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

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