

City of Mississauga
Briefing Note



Date: 2024/04/01

To: Councillor Alvin Tedjo
Ward 2

From: Sam Rogers
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Subject: 2024 Roads and Stormwater Capital Plan for Ward 2

The purpose of this briefing note is to provide an overview of the roads and stormwater projects planned for Ward 2 in 2024. These projects are also illustrated on the attached Ward 2 Roads and Stormwater Capital Plan Map.

Roads Projects

The Roads Capital Plan includes roadway rehabilitation, major road improvements, integrated road projects, bridge and culvert renewal, cycling infrastructure and 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 2024 city-wide budget for roadway rehabilitation is \$39.9 million. With the streets carried over from 2023, this

year's construction program includes 35.3 km of road surface, affecting 49 streets across the City. The table below summarizes the streets planned for rehabilitation in Ward 2 this year.

Street Name	From	To
*Southdown Road	QEW/South Sheridan Way	Wiseman Court
Total	1 Street	1.1 km

*Indicates roads carried over from previous year.

Major Roads Improvements

Projects in the Major Roads Program include new roads, road widening's, multi-modal integrations, railway grade separations, and other improvements to the major roads transportation network. Typically, a Municipal Class Environmental Assessment (EA) Study is completed for each project prior to proceeding to the detailed design and construction phases. There are no major road improvement projects planned in Ward 2 this year.

Integrated Road Projects

The Integrated Roads Program seeks to improve the coordination of City road projects and reduce construction costs and nuisance/fatigue for local residents by bundling planned road improvement projects into a single construction project. Integrated Road Projects include a complete streets approach to the planning and design of various planned road improvements that may include pavement and structure rehabilitation, as well as pedestrian and cycling, transit, street lighting, 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	Status
Meadow Wood Retaining Wall	Design/Construction	Construction Summer 2024
Brookhurst Drive Retaining Wall	Design/Construction	Construction Summer 2024
Birchview Drive Culvert over Lornewood Creek	Structure Detailed Evaluation	Structure Evaluation in Spring 2024. Construction anticipated in 2025

Project Location	Project Type	Status
Birchview Drive Culvert over East Branch of Lornewood Creek	Structure Detailed Evaluation	Structure Evaluation in Spring 2024. Construction anticipated in 2025
Indian Road Culvert over Tecumseh Creek	Structure Detailed Evaluation	Structure Evaluation in Spring 2024. Construction anticipated in 2025

The retaining walls in front of 927 Meadow Wood Road and at the corner of Brookhurst Road and Seagull Drive will be replaced during the summer of 2024 based on their condition. Additionally, there are three culverts – two on Birchwood Drive and one on Indian Road – that will undergo a structural evaluation in 2024 leading to either a lining operation or replacement in the following year.

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 Improvements

Mississauga's Cycling Master Plan has identified the needs, locations and priorities for cycling infrastructure improvements in the City. Examples include protected bike lanes, cycle tracks 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
Truscott Drive	Thetford Court	Barsuda Drive	Cycle Tracks	0.3 km
Kos-Andros Walkway	Kos Boulevard	Andros Boulevard	Walkway	0.2 km

Multi-Use Trail Rehabilitation

The City's Multi-Use Trail Rehabilitation program is focused on renewing existing multi-use trails within the road right-of-way based on condition and in coordination with other projects in the area. Multi-use trail renewal work can range from resurfacing to full reconstruction. No multi-use trail renewal projects are planned in Ward 2 this year.

Sidewalk Infill Program

Mississauga's Pedestrian Master Plan has identified the needs, locations and priorities for pedestrian infrastructure improvements in the City. Projects in the annual Sidewalk Infill Program focus on filling in gaps in the network to improve safety, accessibility and connectivity for pedestrians. No sidewalk infill projects are planned in Ward 2 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. There is one noise wall replacement project planned in Ward 2 this year.

Street Name	From	To	Side/ Length	Update
Dundas Street West	2671 Comet Court	2689 Comet Court	South/ 71 m	Construction in Summer 2024

The upgrading of privacy fences to noise walls can be done in coordination with a major road or integrated road project or as 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 2 this year.

Intersection Improvements

The Intersection Improvement Program focuses on geometric changes to improve safety, traffic flow and capacity, such as such as additional turning or through lanes, typically in conjunction with traffic signal improvements for vehicles, pedestrians and/or cyclists. There are three intersection improvements in Ward 2 this year.

Project Name	Project Type
Lakeshore Road & Clarkson Road South Improvements	Detailed Design
Lakeshore Road & Clarkson Road North Improvements	Detailed Design
Southdown Road & Lushes Avenue	Detailed Design

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	Ward
Lakeshore Complete Street Study – East Avenue to West City limit	EA Study	Wards 1, 2
Dundas Bus Rapid Transit (BRT) Mississauga West – Cooksville to West City limit	EA Study / TPAP Study	Wards 2, 6, 7, 8

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 planned for Ward 2 this year.

Street / Location	Project Type	Status
Truscott Drive (at Mazo Crescent)	PXO	Scheduled for 2024 construction

Street / Location	Project Type	Status
Lorne Park Road (at Queen Street West)	PXO	Scheduled for 2024 construction

Street Light Replacements

The Street Light Unit is undertaking to replace all existing High Pressure Sodium (HPS) luminaires with Light Emitting Diode (LED) luminaires in underpasses throughout the City. The following locations are within Ward 2 boundaries and will be replaced with LED lighting.

Underpass Location	Number of Lights	Status
Mississauga Road at CN Rail Bridge (South)	4	Council Approved Budget
Mississauga Road at CN Pedestrian Tunnels (South)	5	Council Approved Budget
Southdown Road at Pedestrian Bridge	2	Council Approved Budget
Southdown Road at CN Rail Bridge (South)	14	Council Approved Budget
Southdown Road at QEW	40	Council Approved Budget
Winston Churchill Boulevard at CN Rail Bridge (South)	8	Council Approved Budget

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 Name	Project Type
Annual Groundwater Sampling and Cap Inspection - 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.

Stormwater Projects

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
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

catch basins. 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

* Project carried over from 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 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 include enhanced vegetated swales and bio-retention 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 2024 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 2024 to 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 by phone or email to ask questions, share their feedback and get more information on the project.

Closing

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.

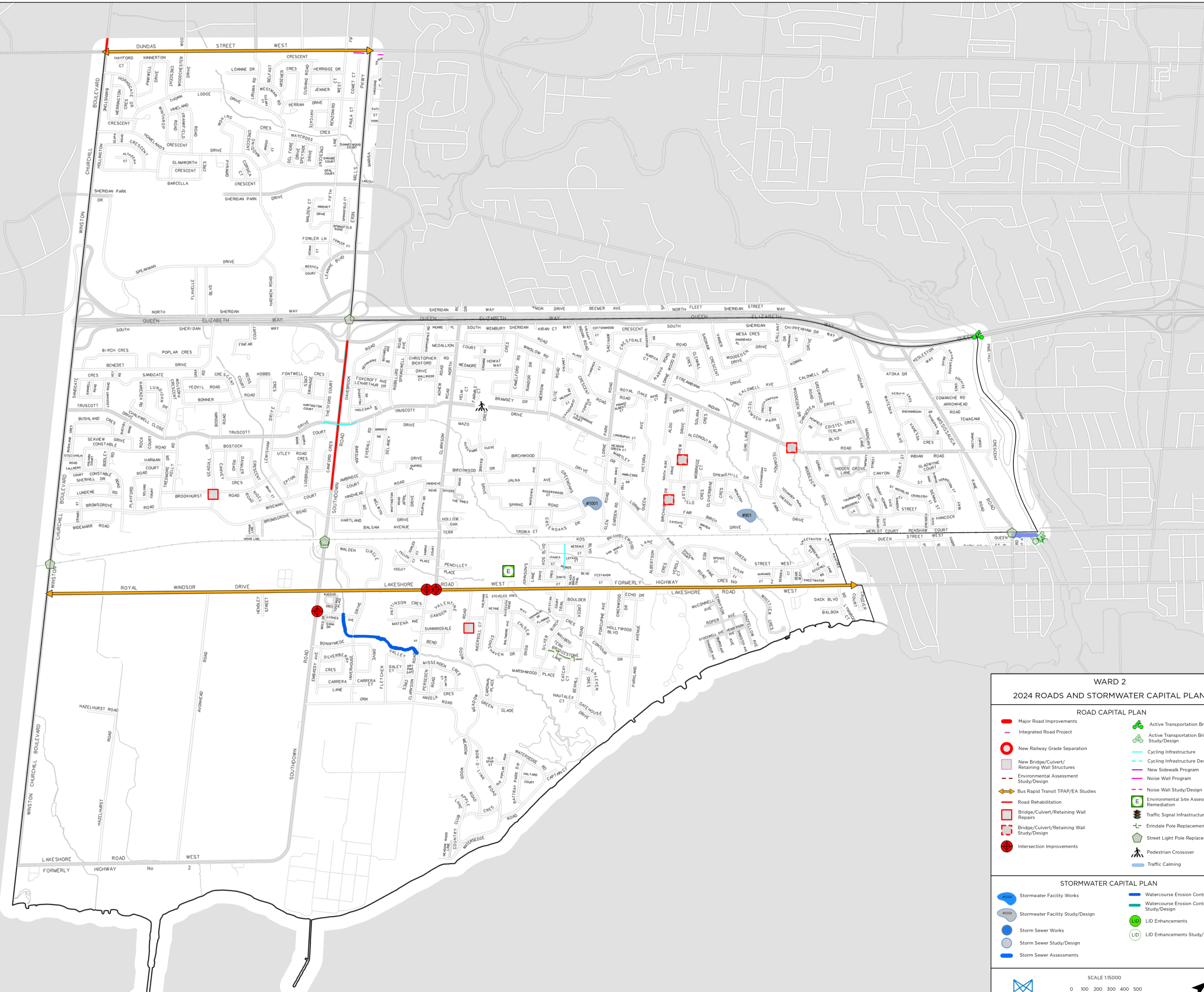
If you have any questions regarding any of the remaining Road and Stormwater projects, please contact Sam Rogers, Director, Infrastructure Planning and Engineering Services, at extension 5086.

Copies circulated to:

Geoff Wright, Commissioner of Transportation and Works

Attachment:

2024 - Ward 2 Roads and Stormwater Capital Plan Map



WARD 2
2024 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

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

STORMWATER CAPITAL PLAN

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

SCALE 1:15000
0 100 200 300 400 500 Meters

Produced by CPS, Geospatial Solutions