

City of Mississauga

Briefing Note



Date: 2024/07/08

To: Councillor Natalie Hart
Ward 5

From: Emma Calvert
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Andy Harvey
Director, Traffic Management and Municipal Parking

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Subject: 2024 Roads and Stormwater Capital Plan for Ward 5

The purpose of this briefing note is to provide an overview of the roads and stormwater projects planned for Ward 5 in 2024. These projects are also illustrated on the attached Ward 5 Roads and Stormwater Capital Plan Map.

Roads Projects

The Roads Capital Plan includes roadway rehabilitation, major roads 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 5 this year.

Street Name	From	To
Bath Road*	Slough Street	Slough Street
Britannia Road East	Shawson Drive	Atlantic Drive
Datsun Road	Shawson Drive	Road End
Dorcas Street	Goreway Drive	Justine Drive
Justine Drive	Etude Drive	Dorcas Street
Mckechnie Court	Twilight Road	North End
Meyerside Drive	Dixie Road	Netherhart Road
Minotola Avenue	Etude Drive	Dorcas Street
Ordan Drive	Vipond Drive	Courtneypark Drive East
Shawson Drive	Dixie Road	Meyerside Drive
Slough Street*	Bath Road	Airport Road
Vipond Drive	Britannia Road East	Ordan Drive
Total	12 Streets	12.3 km

*Indicates roads carried over from previous 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 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- Road	Brandon Gate Drive	Kenview Boulevard (Brampton)	Construction
Goreway Drive Grade Separation- Structure	South of CNR Tracks	North of CNR Tracks	Construction
Torbram Road – Sewer Tunneling	Rena Road	Kimbel Street	Design

The Goreway Drive Grade Separation project has been awarded and construction is underway.

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. There are two integrated road projects planned in Ward 5 this year.

Project Location	Project Type
McLaughlin Road from Bristol Road West to Britannia Road West	Study – Ongoing. Detailed Design to commence in 2024.
Matheson Boulevard from Mavis Road to McLaughlin Road	Study – Ongoing

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. One bridge project is planned in Ward 5 this year.

Project Location	Project Type	Update
Scarboro Street over West Branch Mimico Creek	Detailed Design	Design in progress, construction anticipated in 2025.

A detailed condition survey has been completed for the culvert on Scarboro Street over the west branch of Mimico Creek. Detailed design work is currently underway with construction to follow, tentatively scheduled for 2025.

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 Improvements

Mississauga's Cycling Master Plan has identified the needs, locations and priorities for new cycling infrastructure improvements in the City. Examples include bike lanes, cycle tracks and multi-use trails within the right-of-way. The following table summarizes the cycling infrastructure projects planned in Ward 5 this year.

Street Name	From	To	Facility Type	Length
American Drive	Airport Road	Northwest Drive	Bicycle Lanes	1.3 km
Cardiff Boulevard	Mount Charles Park	Derry Road East	Multi-Use Trail	0.5 km
Explorer Drive	Skymark Avenue	Eglinton Avenue West	Bicycle Lanes	0.2 km
Orbitor Drive	Explorer Drive	Matheson Boulevard East	Bicycle Lanes	0.5 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 5 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. The following sidewalk improvement projects are planned in Ward 5 this year.

Street Name	From	To	Side / Length
Bath Road*	Slough Street	Thamesgate Drive	West / 335 m
Bath Road*	Thamesgate Drive	Rena Road	Both / 555 m
Bren Road	Rena Road	End	Both / 556 m
Britannia Road East	Vipond Drive	Dixie Road	North / 395 m
Cardiff Boulevard*	Tomken Road	60 m west of Lorimar Drive	North / 185 m
Maingate Drive	Eglinton Avenue	Matheson Boulevard East	East / 1000 m
McAdam Road *	Watline Avenue	Matheson Road East	North / 920 m
Meyerside Drive	Dixie Road	Netherhart Road	North / 1180 m
Slough Street*	Bath Road	Airport Road	North / 240 m
Shawson Drive	Dixie Road	Britannia Road East	Both / 985 m
Traders Boulevard* East	Whittle Road	Kennedy Road	North / 1080 m
Watline Avenue*	Whittle Road	Kennedy Road	North / 1080 m

*Indicates projects that are carried over from previous years.

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 privacy fences to noise walls can be done in coordination 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 5 this year.

Intersection Improvements

The Intersection Improvement Program focuses on geometric changes to improve safety, traffic flow and capacity, such as additional turning or through lanes, typically in conjunction with traffic signal improvements for vehicles, pedestrians and/or cyclists. There are no intersection improvement projects planned in Ward 5 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 project which falls within Ward 5 is summarized in the following table.

Project Name	Project Type	Ward
*Hurontario LRT (Hazel McCallion Line) Implementation led by Metrolinx	Design / Construction	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 planned for Ward 5 this year.

Project Location	Project Type	Status
Darcel Avenue	Traffic Calming	Recommended – Council Approval Pending
Barondale Drive	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 5 boundaries and will be replaced with LED lighting.

Underpass Location	Number of Lights	Status
Tomken Road at Highway 401 (1 st Bridge)	42	Council Approved Budget
Airport Road at Highway 427	11	Council Approved Budget
Airport Road at Highway 409	24	Council Approved Budget
Derry Road at Malton GO Station	6	Council Approved Budget
Matheson Avenue at Highway 403	22	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. There are three new traffic signal installation projects planned for Ward 5 this year.

Intersection	Type
Goreway Dr South of Morningstar	New Traffic Signal
Courtneypark Dr E at Silfab Solar (240 Courtneypark Dr E)	New Traffic Signal
Matheson Blvd E at McAdam Rd	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. There are two new traffic signal modernization projects planned in Ward 5 this year.

Intersection	Type
Matheson Boulevard East at Timberlea Boulevard*	Traffic Signal Modernization
Britannia Rd E at Tomken Rd	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.

Project Name	Project Type
Groundwater and Landfill Gas Monitoring - 376 Barondale Drive*	Groundwater and Landfill Gas Monitoring

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

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.

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 three 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
Etobicoke Creek Erosion Control – Downstream of Pacific Circle	Design/ Construction

* 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 catch basins. 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
Relief Well Rehabilitation - Subdivisions at SE & NW corner of Eglinton Avenue East & Kennedy Road	Design/ Construction

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 is one stormwater management project planned for Ward 5 this year.

Project Name	Project Type
Greystone Park Stormwater Management Facility (SWMF 3703)*	Design

* Indicates 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. There is one stormwater study planned in Ward 5 this year.

Project Name	Project Type
Malton Flood Mitigation Improvements - Etude Drive to Justine Drive*	Design/ Construction

* Indicates the project was carried over from the previous 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 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 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.

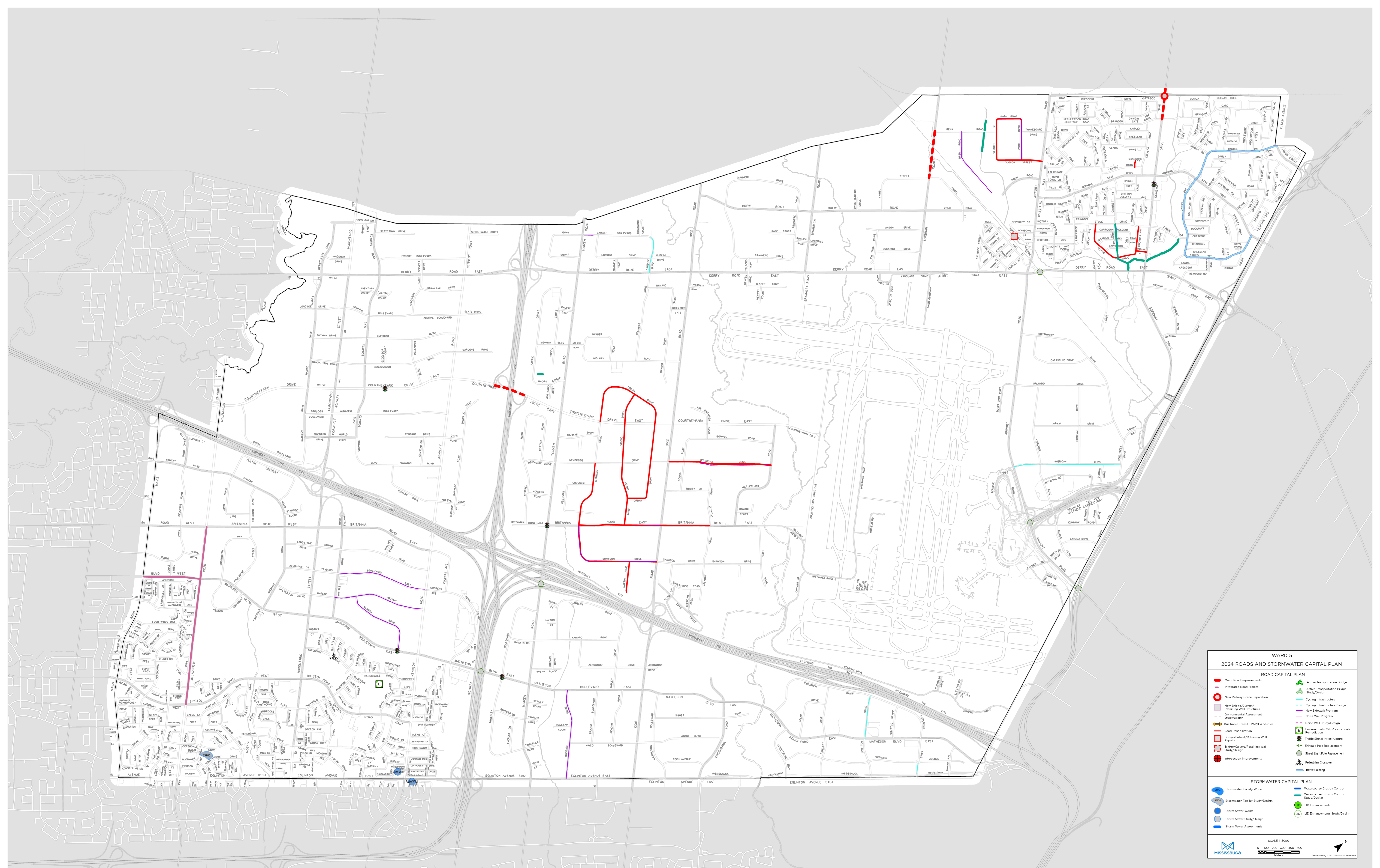
If you have any questions regarding any of the remaining Road and Stormwater projects, please contact Emma Calvert, Acting Director, Infrastructure Planning and Engineering Services, at extension 4343.

Copy circulated to:

Sam Rogers, Acting Commissioner of Transportation and Works

Attachment:

2024 - Ward 5 Roads and Stormwater Capital Plan Map



WARD 5
2024 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN			
	Major Road Improvements		Active Transportation Bridge Study/Design
	Integrated Road Project		Active Transportation Bridge Study/Design
	New Railway Grade Separation		Cycling Infrastructure Design
	New Bridge/Culvert/Retaining Wall Structures		Cycling Infrastructure Study/Design
	Environmental Assessment		New Stormwater Program
	Bus Rapid Transit (BRT)/EA Studies		Noise Wall Program
	Road Rehabilitation		Environmental Site Assessment/Remediation
	Bridge/Culvert/Retaining Wall Study/Design		Traffic Signal Infrastructure
	Intersection Improvements		Erndside Pole Replacement
			Street Light Pole Replacement
			Pedestrian Crossover
			Traffic Calming

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

SCALE 1:5000
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