

City of Mississauga
Briefing Note



Date: 2022/05/13

To: Pat Mullin, Ward 2 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

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Subject: 2022 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 works planned for Ward 2 in 2022. These works are also illustrated on the attached Ward 2 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 pavement structure. 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 2022 city-wide budget for roadway rehabilitation is \$38 million. With the streets carried over from 2021, this year's construction program includes 32.4 km of road surface, affecting 63 streets across the City. The table below summarizes the streets planned for rehabilitation in Ward 2 this year.

STREET NAME	FROM	TO
BRIDGESTONE LANE	BEXHILL RD	SILVER BIRCH TR
CATCAY CRT	CATCAY CRT	BRIDGESTONE LANE
MATENA AVE	CLARKSON RD S	MATENA AVE
PATTINSON CRES	CLARKSON RD S	MATENA AVE
PLAYFORD RD	BROMSGROVE RD	TREDMORE DR
SPEAKMAN DRIVE	SHERIDAN PARK DR	HADWEN DR
TOTALS	6 STREETS	2.8 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 construction 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 bridge 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 projects are planned in Ward 2 this year.

Project Location	Project Type
Orr Road over Sheridan Creek Tributary	Design/Construction
Meadow Wood Retaining Wall	Design/Construction
Brookhurst Drive Retaining Wall	Design/Construction

The Orr Road culvert structure will be replaced. The retaining walls in front of 927 Meadow Wood Road and at the corner of Brookhurst Road and Seagull Drive will be replaced.

Active Transportation Structures

Active transportation structures typically include bridges or tunnels across major barriers, such as highways, railways, and rivers. New crossing locations have been identified in the Cycling Master Plan. There is one active transportation structure projects planned in Ward 2 this year.

Project Name	Project Type
QEW Active Transportation Crossing over the Credit River (MTO led project)	Design/Construction

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
Bromsgrove Road*	Southdown Road	25m west of Southdown Road	Crossride / 25m
Orr Road*	Southdown Road	Meadow Wood Road	Cycling Improvements / 1390m
Southdown Road*	Bromsgrove Road	25m south of Bromsgrove Road	Crossride / 25m

*Indicates that the road was carried over from a previous year.

Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. The following table summarizes the new sidewalks planned in Ward 2 this year.

Street Name	From	To	Side	Length (m)
Lorne Park Road*	Queen Street West	65m east of Birchview Drive	North	120
Avonhead Road	Royal Windsor Drive	500m south of Royal Windsor Drive	West	500
Speakman drive	Sheridan Park Drive	Sheridan Park Drive	North	2248

*Indicates that the road was carried over from a previous 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 are no noise wall replacement projects planned in Ward 2 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. There are two noise wall upgrade projects planned in Ward 2 this year.

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

*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. There is one intersection improvement projects planned for Ward 2 this year.

Project Name	Project Type
Clarkson Road & Lakeshore Road West	EA Study

In response to ongoing concerns raised by local residents regarding the operation of the Clarkson Road and Lakeshore Road West intersections, the City is undertaking a Schedule B Class EA study to investigate a number of alternatives to improve the safety and operation of the intersections and approaches.

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 2022	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 2022

Road Safety Projects

Road Safety Projects include the installation of Pedestrian Crossovers 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.

Street / Location	Type of Road Safety Project	Status
Indian Road – Between Lorne Park Road and Lorne Wood Road	Traffic calming	Construction Planned
Queen Street West – Between Lorne Park Road and Shawmarr Road	Traffic calming	Construction Planned
Meadow Wood Road – Between Lakeshore Road West and Orr Road	Traffic calming	Under Public Consultation
Orr Road – Between Southdown Road and Meadow Wood Road	Traffic calming	Under Public Consultation
Truscott Drive – Between Lewisham Drive and Bodmin Road	Traffic calming	Under Public Consultation
Brookhurst Road – Between Treadmore Drive and Lewisham Drive	Traffic calming	Under Public Consultation
Broomsgrove Road – Between Widemarr Road and Sheridan Creek	Traffic calming	Under Public Consultation
Seagull Drive – Between Truscott Drive and Brookhurst Road	Traffic calming	Under Public Consultation
Lewisham Drive – Between Bonner Road and Truscott Drive	Traffic calming	Under Public Consultation
Clarkson Road North at Nine Creeks Trail	Pedestrian Crossover	Construction Planned
Truscott Drive west of Robillard Road	Pedestrian Crossover	Construction Planned
Lorne Park Road at Queen Street West	Pedestrian Crossover	Construction Planned
Broomsgrove Road at Nine Creeks Trail	Pedestrian Crossover	Construction Planned

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. There are 3 poles along Winston Churchill Boulevard between the Dundas Street West and the Queen Elizabeth Way that will be replaced in Ward 2 this year.

Street / Location	Number of Poles
Winston Churchill Boulevard - Between Dundas Street West and the Queen Elizabeth Way	3

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 are two environmental site management projects planned for Ward 2 this year.

Project Location	Project Type
Birchwood Park*	Ground Water Sampling and Cap Inspection
Indian Grove Right-of-Way**	Environmental Subsurface Investigation

* Project carried over from previous year.

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

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 environmental subsurface investigation involves drilling boreholes using a truck-mounted drill rig and installing monitoring wells within the Indian Grove right-of-way. There will be some noise disturbances over the course of two to three working days during normal business hours.

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 city-wide 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*	Design & Construction
Sheridan Creek Erosion Control - Lushes Ave. 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. No stormwater management facility projects are planned for Ward 2 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. There is one stormwater study planned for Ward 2 this year.

Project Name	Project Type
Southdown District Stormwater Servicing and Environmental Management Plan* **	Master Plan EA

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

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

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 2022 spring/summer 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.

Building on the success of the Field Ambassador Program introduced in 2021, we are continuing with the Program in 2022. The Program will help improve how we communicate with residents and businesses about construction projects taking place in their neighbourhood. 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 Helen Noehammer, Director, Infrastructure Planning and Engineering Services, at extension 5086.

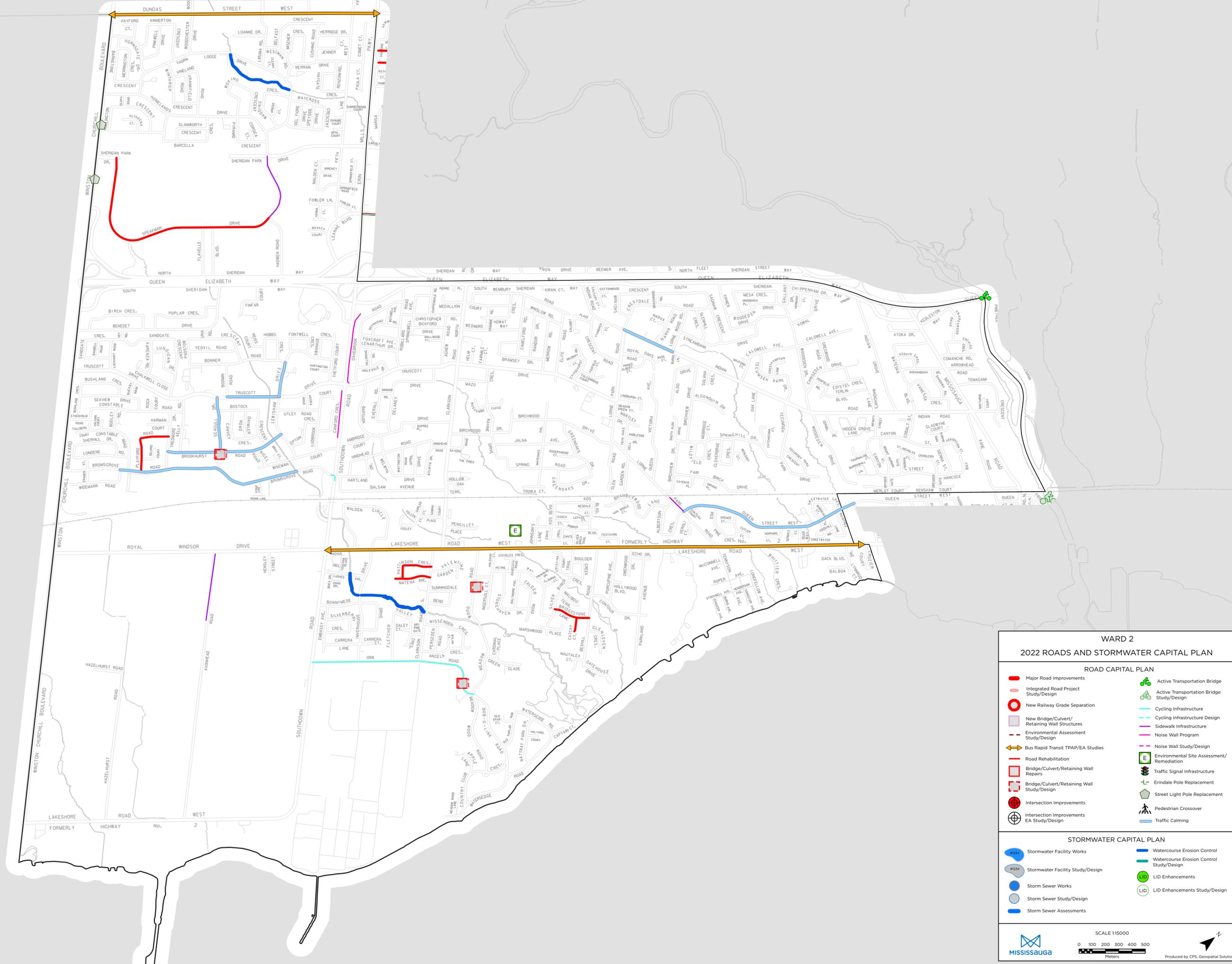
Copies circulated to:

Mayor Bonnie Crombie

Geoff Wright, Commissioner of Transportation and Works

Attachment:

2022 - Ward 2 Roads and Stormwater Capital Plan Map



WARD 2
2022 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
New Bridge/Culvert/Retaining Wall Structures	Cycling Infrastructure Design
Environmental Assessment Study/Design	Sidewalk Infrastructure
Bus Rapid Transit TPAP/EA Studies	Noise Wall Program
Road Rehabilitation	Noise Wall Study/Design
Bridge/Culvert/Retaining Wall Repairs	Environmental Site Assessment/Remediation
Bridge/Culvert/Retaining Wall Study/Design	Traffic Signal Infrastructure
Intersection Improvements	Erindale Pole Replacement
Intersection Improvements EA Study/Design	Street Light Pole Replacement
	Pedestrian Crossover
	Traffic Calming

STORMWATER CAPITAL PLAN

Stormwater Facility Works	Watercourse Erosion Control Study/Design
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 1:15000

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Meters

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