

City of Mississauga

Briefing Note



Date: 2021/04/20

To: Karen Ras, Ward 2 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

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Director, Traffic Management & Municipal Parking

Subject: 2021 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 2021. These works are also illustrated on the attached Ward 2 Roads and Stormwater Capital Plan Map.

Given the uncertainty around the COVID-19 pandemic, the delivery of the City's construction program may be impacted over the course of the year. Staff will keep your office informed of significant changes to the delivery schedule for projects within your ward.

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 2021 city-wide budget for roadway rehabilitation is \$26.2 million. With the streets carried over from 2020, this year's construction program includes 27.5 km of road surface, affecting 39 streets across the City. The table below summarizes the streets planned for rehabilitation in Ward 2 in 2021.

Street Name	From	To
Boulder Creek Crescent	Cristina Court	Silver Birch Trail
Cristina Court	Boulder Creek Crescent	Road End
North Sheridan Way	Leanne Boulevard	Winston Churchill Boulevard
Malibou Terrace	Silver Birch Trail	Road End
Marshwood Place	Road End	Road End
Silver Birch Trail	Bridgestone Lane	Lakeshore Road West
Totals	6 Streets	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 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 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. The following bridge project is planned in Ward 2 this year.

Project Location	Project Type
Orr Road over Sheridan Creek Tributary	Construction

The Orr Road culvert structure 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 (m)
Bromsgrove Road	Southdown Road	25m west of Southdown Road	Cross Ride/25m
Orr Road	Southdown Road	Meadow Wood Road	Bicycle Lane Study/1390m
Southdown Road	Bromsgrove Road	25m south of Bromsgrove Road	Cross Ride/25m

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/120m
Southdown Road	Intersection North of Lakeshore Road West	125m south of Orr Road	West/835m

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	2047 Davebrook Road	2179 Davebrook Road	East/465m
Southdown Road	1426 Ludbrook Court	2106 Wiseman Court	West/375m

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 three projects – the Lakeshore Higher Order Transit (HOT) corridor, the Dundas Bus Rapid Transit (BRT) corridor and the Downtown Mississauga Terminal and Transitway Connection. All three projects have approved funding to initiate environmental assessment and preliminary design studies this year. The Lakeshore HOT and Dundas BRT projects fall within Ward 2.

The Environmental Assessment (EA) for the Lakeshore HOT corridor has started and includes completing the Transit Project Assessment Process (TPAP) for the 2 kilometre priority BRT section along Lakeshore Road East from East Avenue to the Etobicoke Creek. The EA and TPAP processes will include several public engagement activities throughout the year. In early 2021, it was announced through the Investing in Canada Infrastructure Program (ICIP) that the City will

receive funding from both the federal and provincial levels of government to implement the Lakeshore Road BRT. A requirement of the ICIP funding is that Lakeshore BRT is substantially completed by October 2027.

The Dundas BRT project is underway and the first public engagement activity (online) to be held in conjunction with Metrolinx is scheduled for April 19. Additional public events will be held over the year to complete the Transit Project Assessment Process and position parts of this project for subsequent implementation. The advancement of the project is subject to the approval of funding under Investing in Canada Infrastructure Program.

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 two road safety projects planned for Ward 2. The Truscott Drive project is underway and the Indian Road project is planned for later this year.

Street / Location	Type of Road Safety Project
Truscott Drive At The Trail Crossing West of Lorne Park Road	Pedestrian Crossover
Indian Road At Birchview Drive	Pedestrian Crossover

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 is one environmental site management project planned for Ward 2 this year.

Project Location	Project Type
Birchwood Park*	Ground Water Sampling and Cap Inspection

* Project carried over from previous year.

This work 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 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*	EA/Design/Construction
Sheridan Creek Erosion Control - Lushes Ave. to Clarkson Road South*	EA and Design

* 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 2021 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.

New for 2021 is the introduction of a Field Ambassador Program that 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 Traffic and Streetlighting projects within your ward, please contact Andy Harvey Director, Traffic Management and Municipal Parking, at extension 5118.

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, Transportation and Works

Attachment:

2021- Ward 2 Roads and Stormwater Capital Plan Map

WARD 2
2021 ROADS AND STORMWATER CAPITAL PLAN

- ROAD CAPITAL PLAN**
- Major Road Improvements
 - Integrated Road Project Study/Design
 - New Railway Grade Separation
 - New Bridge/Culvert/Retaining Wall Structures
 - Environmental Assessment Study/Design
 - Bus Rapid Transit TPA/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 Study/Design
 - Active Transportation Bridge
 - Cycling Infrastructure
 - Cycling Infrastructure Design
 - Sidewalk Infrastructure
 - Noise Wall Program
 - Noise Wall Study/Design
 - E Environmental Site Assessment/Remediation
 - Traffic Signal Infrastructure
 - Erosion Pole Replacement
 - Street Light Pole Replacement
 - Pedestrian Crossover
 - Traffic Calming

- STORMWATER CAPITAL PLAN**
- 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 1:15000

0 100 200 300 400 500 Meters

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