

City of Mississauga

Briefing Note



Date: 2020/05/05

To: Carolyn Parrish, Ward 5 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Subject: 2020 Roads and Stormwater Capital Plan for Ward 5

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 5 in 2020. These works are also illustrated on the attached Ward 5 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, bridge and culvert renewal, cycling infrastructure, sidewalk improvements, noise wall replacements, intersection improvements and environmental site management projects.

Roadway Rehabilitation

The Roadway Rehabilitation program is focussed 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 2020 city-wide budget for roadway rehabilitation is \$38.5 million. Including the streets carried over from 2019, this year's construction program includes 56 km of road surface, affecting 119 streets. The table below summarizes the streets planned for rehabilitation in **Ward 5** this year.

Street Name	From	To
Ambler Drive	Kamoto Road	Matheson Boulevard East
Anaka Drive	Brandon Gate Drive	Dwiggin Avenue
Brandon Gate Drive	Goreway Drive	Darcel Avenue
Brandon Gate Drive	Netherwood Road	Catalpa Road
Ceremonial Drive*	Champlain Trail (South Int.)	McLaughlin Road

Street Name	From	To
Ceremonial Drive**	McLaughlin Road (South Int.)	Champlain Trail (South Int.)
Fleur De Lis Court*	Ceremonial Drive	Road / End
Guildwood Way**	Eglinton Avenue West	Bristol Road West
Goreway Drive	Zahavy Way	City Border
Jayson Court	Ambler Drive	Road / End
Mavis Road*	Matheson Boulevard	Britannia Road West
Menton Court*	Fleur De Lis Court	Road / End
Rena Road	Torbram Road	Slough Street
Romani Court	Netherhart Road	Road / End
Salishan Circle	Ceremonial Drive (East Leg)	Ceremonial Drive (West Leg)
Torbram Road	Lucknow Drive	Kimbel Street
Tristar Drive	Tomken Road	Shawson Drive
Winterton Way**	Mavis Road	Guildwood Way
Totals	18 Streets	16 km

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

** Carried over for minor restoration works only.

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 construction. The following two tables summarize the EA and major road improvement projects that are continuing or will be initiated in Ward 5 this year.

Street Name	From	To
Bramalea Road	Derry Road	North Service Road
Alstep Drive	Menway Court	Bramalea Road
Belbin Street	Nahani Way	Preston Meadow Avenue

Bramalea Road and Alstep Drive are being reviewed as part of an EA to assess existing and future road conditions on Derry Road East and Alstep Drive near Menkes Drive and Bramalea Road. This study is being undertaken by Bombardier Inc. as part of their development application. The City and Region of Peel are co-proponents in the EA Study.

The construction of Belbin Street from Nahani Way to 60 metres southerly will be undertaken this year. The remaining portion to Preston Meadow Avenue is to be constructed by the adjacent developer (Summit) at a later date but may be included in the City's scope of work, pending a suitable arrangement between the City and the developer.

Street Name	From	To
Goreway Drive (Grade Separation)***	Brandon Gate Drive	City Limits
Torbram Road (Grade Separation)***	Kimbel Street	City Limits

***Indicates that the project is a multi-year construction project.

The Goreway Drive Grade Separation is a multi-year project that will be led by the City of Brampton.

The Torbram Road Grade Separation is a multi-year project being led by the City of Mississauga. There are only minor resurfacing works remaining that will be completed this spring.

Bridge and Culvert Renewal

The Bridge and Culvert program focusses on structural rehabilitations or 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
Eglinton Avenue East over Little Etobicoke Creek	Design

The Eglinton Avenue East Structure is in the design phase and will inform as to the extent of repair or renewal works required.

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 ROW. The following table summarizes the cycling infrastructure works planned for Ward 5 this year.

Street Name	From	To	Facility Type	Length (m)
Explorer Drive* (Both sides)	Skymark Avenue	Eglinton Avenue East	Bike Lane	200
Mavis Road (East side)	Bancroft Drive/Cantay Road	Matheson Boulevard West	Multi-Use Trail	1398

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

Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. The following sidewalk improvement projects are planned in Ward 5 this year.

Street Name	From	To	Side	Length (m)
Torbram Road	Drew Road	Kimbel Street	W	330
Fairwind Drive	85m south of Tagish Court	Eglinton Avenue West	E	240

In addition, the MyMalton Streetscape Improvements Study will be undertaken in 2020 to identify solutions for streetscape improvement opportunities and design improvements to the pedestrian and cycling realms in the area of Goreway Drive and Morningstar Drive, and will identify coordination opportunities for implementation.

Noise Wall Replacements

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. The following noise wall projects are planned for Ward 5 this year.

Street Name	From	To	Side	Length (m)
Bristol Road East*	5450 Byford Place	5424 Byford Place	North	115
Kennedy Road*	443 Turnberry Crescent	435 Chieftan Circle	West	301
Eglinton Avenue West	5116 Boardwalk Drive	320 to 348 Sardinia Drive	North	158
Matheson Boulevard West+	707-733 Ashprior Avenue	5845 Tiz Road	South	140
Matheson Boulevard West+	575 Ashprior Avenue	703 Ashprior Avenue	South	387

* Indicates the project is in construction and was carried over from the previous year.

+Indicates that pre-engineering and design works in progress.

The walls along Bristol Road East, Kennedy Road and Eglinton Avenue West will be completed this year. The noise walls along Matheson Boulevard West are currently in the design phase and the City will be approaching the homeowners to secure easements and consent to enter from the homeowners before construction can begin. If the City is able to obtain the necessary legal documents, we will proceed to construction in 2021. The noise walls along Matheson

Boulevard are currently owned by the individual homeowners and they are required to maintain them until they can be replaced by the City.

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. No intersection improvement projects are planned in Ward 5 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 no environmental management 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 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. None of the 3 rapid transit projects fall within Ward 5.

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 5 this year.

Project Name	Project Type
Mimico Creek Erosion Control – Etude Drive to Derry Road East*	EA & Design
Mimico Creek Erosion Control – Upstream and Downstream of Rena Road*	EA & Design

* 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 catchbasins. 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
Replacement of Storm Sewers along Britannia Road East	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 are two stormwater management facility projects planned for Ward 5 this year.

Project Name	Project Type
Sandalwood Park Stormwater Management Facility	Construction
TRCA Partnership – Etobicoke Creek at Derry and Dixie – Stormwater Management Facility & Creek Improvement	Design and Construction

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 are two stormwater studies planned for Ward 5 this year.

Project Name	Project Type
Malton Flood Mitigation Study – Etude Drive to Justine Drive *	Study
Stormwater Pond Condition Assessment & Survey: East of Indian Summer Trail, Northwest of HWY 401 and 410, East of Marcove Road, East of Navigator Drive, Northeast of Kennedy Road and Derry Road *	Study

* 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 stormwater LID projects are planned in Ward 5 this year.

Roads and Stormwater Construction Communications Strategy

The Infrastructure Planning and Engineering Services (IPES) Division and Strategic Communications are continuously working on improving and simplifying communications for roads and stormwater construction projects. This work includes developing consistent construction notice letters, improved construction project signage, clarification of processes and greater 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 2020 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.

If you have any questions regarding any of the projects within the Roads Capital Plan, please contact Alessandro Torresan at extension 5153.

If you have any questions regarding any of the projects within the Stormwater Capital Plan, please contact Scott Perry at extension 5161.

Copies circulated to:

Mayor Bonnie Crombie

Geoff Wright, Commissioner, Transportation and Works

Attachment:

2020 - Ward 5 Roads and Stormwater Capital Plan Map

