

City of Mississauga

Briefing Note



Date: 2020/05/05

To: George Carlson, Ward 11 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Subject: 2020 Roads and Stormwater Capital Plan for Ward 11

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 11 in 2020. These works are also illustrated on the attached Ward 11 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 11 this year.

Street Name	From	To
Boyer Boulevard	Ivandale Drive	Bancroft Drive
Cayeswood Court*	Killaby Drive	Road / End
Dendron Street	Duford Drive	Silken Lauman Way
Donway Drive	Newcombe Drive	Bancroft Drive (West Leg)
Duford Drive	Bancroft Drive	Ivandale Drive

Street Name	From	To
Ewing Crescent	Swinbourne Drive	Swinbourne Drive
Hardesty Crescent	Douguy Boulevard	Douguy Boulevard
Ivendale Drive	Douguy Boulevard	Bancroft Drive
Killaby Drive*	Carridane Court	Douguy Boulevard
Senlac Court	Swinbourne Drive	Road End
Swinbourne Drive	Dougay Boulevard	Donway Drive
Velebit Court	Creditview Road	Road End
Totals	12 Streets	8 km

*Indicates that the project was carried over from the 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 construction. No major road construction projects are planned in Ward 11 this year.

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. The following bridge projects are planned in Ward 11 this year.

Project Location	Project Type
Financial Drive Over Levi Creek	Construction
Old Derry Road Over The Credit River	Design

The Financial Drive Bridge renewal project includes structural renewal and removal of expansion joints.

The Old Derry Road Bridge over The Credit River is a heritage structure and requires repairs. The design works in 2020 will determine the extent of the repairs.

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. Cycling infrastructure projects planned in Ward 11 this year are listed below.

Street Name	From	To	Facility Type	Length (m)
Eglinton Avenue West*	Credit Valley Road	Creditview Road	Multi-Use Trail	2060

*Project carried over from previous year. The Cycling Project will be completed after noise wall installation has been completed.

Project Name	Project Type
Second Line West Pedestrian/Cyclist Crossing of Highway 401	Ministry of Transportation Completing Construction of New Structure

Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. No sidewalk improvement projects are planned in Ward 11 this year.

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. Noise wall replacement projects planned in Ward 11 are listed in the table below.

Street Name	From	To	Side	Length (m)
*Eglinton Avenue West	1919 Royal Mills Court	5021 Mississauga Road	North	158

* Project carried over from 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 turn lanes to improve vehicle capacity 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 11 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. No environmental site management projects are planned in Ward 11 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 11.

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). No watercourse improvement projects are planned in Ward 11 this 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 11 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 three stormwater management projects planned for Ward 11 this year.

Project Name	Project Type
Stormwater Pond Dredging & Rehabilitation – West of Historic Trail*	Construction
Stormwater Pond Dredging & Rehabilitation – South of Derry Rd. and East of Gazette Gate*	Construction
Stormwater Pond Dredging & Rehabilitation – Northwest of Old Derry Road & Old Creditview Road*	Construction

*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. There is one stormwater study planned for Ward 11 this year.

Project Name	Project Type
Stormwater Pond Condition Assessment & Survey: Northeast of Eglinton Avenue W. and Erin Mills Pkwy, South of Silverthorn Mill Avenue, South of Diamond Court, South of Derrydale Drive *	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. There is one stormwater LID project planned in Ward 11 this year.

Street Name	From	To	Length (m)
Sonnet Court (Design)	Bremen Lane	East Limit (cul-de-sac)	26

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 11 Roads and Stormwater Capital Plan Map

WARD 11
2020 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

- | | |
|---|--|
| Major Roads | Cycling Infrastructure Design |
| New Railway Grade Separation | Cycling Program-MUT |
| EA Study | Active Transportation Bridge |
| Road Rehabilitation | Sidewalk Program |
| Minor Restoration Works | Noise Wall Program |
| Bridge/Culvert/Retaining Wall Rehab | Noise Wall Design /Studies |
| Bridge/Culvert/Retaining Wall Design /Studies | Environmental Site Assessment/ Remediation |
| Intersection Improvement | |

STORMWATER CAPITAL PLAN

- | | |
|-------------------------------------|---|
| Stormwater Facility Works | Watercourse Erosion Control |
| Stormwater Facility Design /Studies | Watercourse Erosion Control Design /Studies |
| Storm Sewer Works | LID Enhancements |
| Storm Sewer Design /Studies | LID Enhancements Design /Studies |
| Storm Sewer Assessments | |

- | | | |
|-----------------------------|---|-------------------------|
| ICELAND | POLICE (PEEL - COMMUNITY STATION) | LOCAL ROAD |
| FIRE STATION | NOTE: Community Station hours of operation may vary. Please contact Peel Regional Police for further information. | MAJOR ROAD |
| LIBRARY | POLICE (PEEL - MARINE UNIT) | PRIVATE ROAD (P) |
| COMMUNITY CENTRE | CIVIC CENTRE (CITY HALL) | UNDER CONSTRUCTION |
| MISSISSAUGA SENIOR'S CENTRE | CITY CENTRE TRANSIT TERMINAL | CITY BOUNDARY |
| ANIMAL SERVICES | LIVING ARTS CENTRE | HYDRO TRANSMISSION LINE |
| HISTORICAL | PARAMOUNT FINE FOODS CENTRE | RAILWAY |
| TRANSPORTATION & WORKS | MIWAY TRANSIT TERMINAL | GO TRANSIT STATION |
| CREDIT VILLAGE MARINA | MISSISSAUGA TRANSITWAY | ONE WAY TRAFFIC |
| HOSPITAL | | PUBLIC SCHOOL |
| POLICE (OPP) | | CATHOLIC SCHOOL |
| POLICE (IPEL) | | |
| ICELAND | | |

SOURCE DATA

BASE: City of Mississauga, Geospatial Solutions, Corporate Services Department, Information Technology, Digital Services Section
Revised: 2020 01 10, 430-2072.

LANDMARKS: City of Mississauga, Geospatial Solutions, Corporate Services, Information Technology, Digital Services Section

THIS PROGRAM IS REVIEWED ON AN ANNUAL BASIS AND IS SUBJECT TO CHANGE

SCALE: 1:50000 PLOTTED: 2020/05/01 TO ORDER CALL: 905-415-3200 ext. 3157

FILENAME: C:\GIS\Projects\CapitalBudgeting\Vector\Map\2020\WARD 11_2020 Storm Water.docx

