

City of Mississauga

Briefing Note



Date: 2020/05/05

To: Sue McFadden, Ward 10 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Subject: 2020 Roads and Stormwater Capital Plan for Ward 10

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 10 in 2020. These works are also illustrated on the attached Ward 10 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 10 this year.

Street Name	From	To
Allcroft Road	Lisgard Drive	Gracefield Drive
Beacham Street	Ninth Line	Lisgar Drive
Chilcot Court	Allcroft Road	Cul-de-sac
Dillingwood Drive	Lisgar Drive	Lisgar Drive

Street Name	From	To
Gracefield Drive	Lisgar Drive	Allcroft Road
Guardian Court	Allcroft Road	Cul-de-sacs
Lisgar Drive	Doug Leavens Boulevard	Derry Road West
Totals	7 Street	3.4 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 construction. There is one EA project planned for Ward 10 this year.

Street Name	From	To
Ninth Line West*	South of Eglinton Avenue West	Derry Road West

* Project carried over from previous year

The Ninth Line EA will review and assess all modes of transportation to support improvements to the existing and future transportation demands along this corridor.

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. No bridge or culvert renewal projects are planned in Ward 10 this year.

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 for Ward 10 this year.

Street Name	From	To	Type	Length (m)
Derry Road West (South Side)	Lisgar Meadow Brook Trail	Lake Aquitaine Trail	Trail	2018

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 10 this year.

Street Name	From	To	Side	Length (m)
Tenth Line West	Meadowcrest Avenue	90m South of Thomas Street	E	250

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. No noise wall projects are planned in Ward 10 this 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 10 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 10 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 10.

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 10 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 10 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 two stormwater management facility projects planned for Ward 10 this year.

Project Name	Project Type
Stormwater Pond Dredging & Rehabilitation – Southwest of Winston Churchill Blvd & Tacc Drive*	Design and Construction
Lisgar District Utility Trench Dewatering and FDC Pumping Station*	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 in Ward 10 this year.

Project Name	Project Type
Lisgar District Foundation Drain Collector Pumping System *	Study (EA)

* 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 10 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 10 Roads and Stormwater Capital Plan Map

