

City of Mississauga

Briefing Note



Date: 2020/05/05

To: Dipika Damerla, Ward 7 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Subject: 2020 Roads and Stormwater Capital Plan for Ward 7

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 7 in 2020. These works are also illustrated on the attached Ward 6 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 7 this year.

Street Name	From	To
Adamson Street	Jarvis Street	Road / End
Bridlewood Court	Wiltshire Lane	Road / End
Castleton Court***	Stillmeadow Road	Road / End
Cornerbook Place	Dundas Street West	Road / End

Street Name	From	To
Credit Woodlands Court	Dundas Street West	Road / End
Hillfield Court***	Road / End	Stillmeadow Road
Isabella Avenue***	Road / End	Stavebank Road
Jarvis Street	Road / End	Dundas Street West
Kenbarb Avenue***	Isabella Avenue	Medhat Drive
Loretta Court	Redmond Road	Road / End
Nanak Court	Nanak Road	Road / End
Nanak Road	Redmond Road	Fairview Road West
Naomi Crescent	Redmond Road	Redmond Road
Mervette Court***	Road / End	Kenbarb Road
Nethara Court***	Isabella Avenue	Road / End
Pilcom Crecent	Fairview Road West	Fairview Road West
Pilcom Court	Pilcom Crescent	Road / End
Privet Court***	Privet Crescent	Road / End
Privet Crescent***	Mason Heights	Mason Heights
Proudfoot Drive*, **	Dundas Street West	Adamson Street
Redmond Road	Central Parkway West	Naomi Crescent/Compton Crescent
Robinson Street	Thomson Street	Dundas Street
Summer Park Crescent	Grand Park Drive	Grand Park Drive
Thomson Street	Jarvis Street	Robinson Street
Wiltshire Lane	Cornerbrook Place	Credit Woodlands Court
Totals	25 Streets	7.5 km

* Project carried over from previous year.

** Project includes the installation of Low Impact Development features and will be tendered separately.

*** Project carried over to complete minor restoration works only.

Major Road 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 table summarizes the major roads EA studies that will be initiated in Ward 7 this year.

Street Name	From	To	Project Type
The Exchange*	Burnhamthorpe Road West	Webb Drive	EA
Redmond Road*	Webb Drive	Burnhamthorpe Road West	EA & Design
Webb Drive (Extension)*	End of Webb Drive	Kariya Drive	EA
Kariya Drive (Extension)*	End of Kariya Drive	Central Parkway West	EA

*Indicates projects that are carried over from previous years

The City is undertaking these four studies to plan for the existing and future transportation needs in the City's downtown, including the proposed extension of existing roads.

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 7 this year.

Bridge Name	Project Type
*King Street East Culvert Over Cooksville Creek	Design
Dundas Street West Retaining Walls, East of the Credit River (North Side)	Design/Construction

*Indicates projects carried over from previous years

The King Street East structure is in the design phase to increase the hydraulic capacity of the structure by replacing it with a larger twin box culvert. This project may be constructed in 2020 pending property acquisition.

Two sections of retaining walls along Dundas Street West, east of the Credit River will be replaced in 2021, the slope will be stabilized and the affected sidewalks will be replaced and reopened to the public. In order to provide pedestrians with an alternative route prior to the 2021 construction, minor sidewalk upgrades will be completed on the south sidewalk in 2020.

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. There are no cycling infrastructure projects in Ward 7 this 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 7 this year.

Street Name	From	To	Side	Length (m)
Fairview Road West *	25 Fairview Road West	Hurontario Street	N	65

* Indicates projects carried over from previous years

Noise Wall Replacement

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 replacements are planned in Ward 7 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 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 7 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 are planned in Ward 7 this year.

Project Location	Project Type
In front of 155 North Service Road	Well flushing

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 Dundas BRT project falls within Ward 7.

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 five watercourse improvement projects planned for Ward 7 this year.

Project Name	Project Type
Wolfedale Creek Erosion Control – Burnhamthorpe Road to Credit River	EA
Cooksville Creek Erosion Control – Camilla Road to North Service Road	EA
Cooksville Creek Erosion Control – CP Rail to Kirwin Avenue	Construction
Mary Fix Creek Erosion Control – Downstream of Dundas Street West*	Construction
Credit River Erosion Control – Ostler Court	Design

*Indicates projects carried over from previous years

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 7 this year.

Project Name	Project Type
Mississauga Golf & C.C – Trenchless Rehab of Corrugated Metal Trunk Sewers*	Construction

*Indicates projects carried over from previous years

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 7 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 are two stormwater studies planned for Ward 7 this year.

Project Name	Project Type
Storm Sewers Condition Assessment & Survey – Dundas Street* and North Service Road	Study
Stormwater Pond Condition Assessment & Survey – Northeast of Dundas Street West and Clayhill Road **	Study

*Indicates projects carried over from previous years

** 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 LID project planned for Ward 7 this year.

Street Name	From	To	Length (m)
Proudfoot Street*	Dundas Street West	Adamson Street	142

* Project includes Roadway Rehabilitation project carried over from previous years.

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 7 Roads and Stormwater Capital Plan Map

