City of Mississauga

Briefing Note

Date: 2019/04/03

To: Stephen Dasko, Ward 1 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Subject: 2019 Roads and Stormwater Capital Plan for Ward 1

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 1 in 2019. These works are also illustrated on the attached Ward 1 Roads and Stormwater Capital Plan Map.

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 2019 city-wide budget for roadway rehabilitation is $33.1 million and includes 46 km of road surface, affecting 87 streets. The table below summarizes the streets planned for rehabilitation in Ward 1 this year.

Street Name	From	To
Alexandra Avenue*	Atwater Avenue	First Street
Enola Avenue	Lakeshore Road East	Revus Avenue
Front Street	Lakeshore Road West	John Street South
Marf Avenue	Revus Avenue	Road / End
Revus Avenue	Marf Avenue	Enola Avenue
Trimble Court	Maplewood Road	Road / End
Stavebank Road	High Street	Lakeshore Road West
Totals	**6 Streets**	**2.2 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. There are no major road construction projects underway or planned in Ward 1 this year.

Bridge and Culvert Renewal

The Bridge and Culvert program focusses on structural rehabilitations or replacements. For structures over creeks, 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 1 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 ROW. No cycling infrastructure projects are planned in Ward 1 this year.

Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. No sidewalk improvement projects planned in Ward 1 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. No noise wall replacement projects are planned in Ward 1 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. The table below summarizes the intersection improvements planned in Ward 1 this year.

Street Name	Intersection
Lakeshore Road*	Stavebank Road

* Indicates that the project was carried over from the previous 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 project planned for 2019.

Project Location	Project Type
J.C Saddington Park	Environmental Site and Risk Assessment

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 right-of-way (ROW). 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 projects planned for 2019.

Project Name	Project Type
Applewood Creek Erosion Control – Lakeview Golf Course	EA and Design
Cooksville Creek Erosion Control – QEW to Elaine Trail	Construction

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 1 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 City stormwater management facilities are located in Ward 1 and no projects are planned 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 studies planned for 2019.

Project Name	**Project Type**
Serson Creek & Applewood Creek Flood Evaluation Study	Study
Storm Sewer Condition Assessment & Survey – Lakeshore Road and Dundas Street	Study

Stormwater LID Enhancements

The Stormwater Program also includes funding for Low Impact Development (LID) enhancements to be constructed within the ROW where opportunities arise. Common LID techniques within the ROW include enhanced vegetated swales and bioretention features that promote infiltration and/or filtration. No stormwater LID projects are planned in Ward 1 this year.

Roads and Stormwater Construction Communications Strategy

The Infrastructure Planning and Engineering Services (IPE) Division and Strategic Communications are developing a new strategy to improve and simplify 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.

As part of the strategy, notice letters, project signage and surveys, are currently being tested through three active pilot projects. Staff are testing parts of the strategy as they are developed and public feedback collected during the pilot projects will allow staff to adjust and improve our communication to residents about construction projects.

The three pilot projects include:

- Burnhamthorpe Road East Road Reconstruction (Dixie Road to Etobicoke Creek), Ward 3
- Kingsbridge Garden Circle Culvert Rehabilitation at Cooksville Creek, Ward 4
- Mavis Road Rehabilitation and Widening (Courtneypark Drive to Novo Star Drive), Ward 11

This summer, staff will be finalizing the strategy, training users, and implementing the communications strategy for roads and stormwater construction projects. Implementation will exclude any capital projects that are program-based (e.g. local road resurfacing, intersections, noise walls, etc.) which will require a modified version of the strategy. This will start being developed this summer.

The City is coordinating with the Region of Peel on additional communication efforts that include developing notice letters for joint Region/City projects (e.g. Region utility works followed by City resurfacing) to provide greater consistency and transparency on joint construction projects.

In addition, staff recently developed a new construction map utilizing ESRi ArcGIS software that launched April 3rd on the City's construction webpage at mississauga.ca/construction.

The City is planning communications to ensure residents, businesses and commuters are aware of the 2019 spring/summer construction season and where to find information on construction projects.

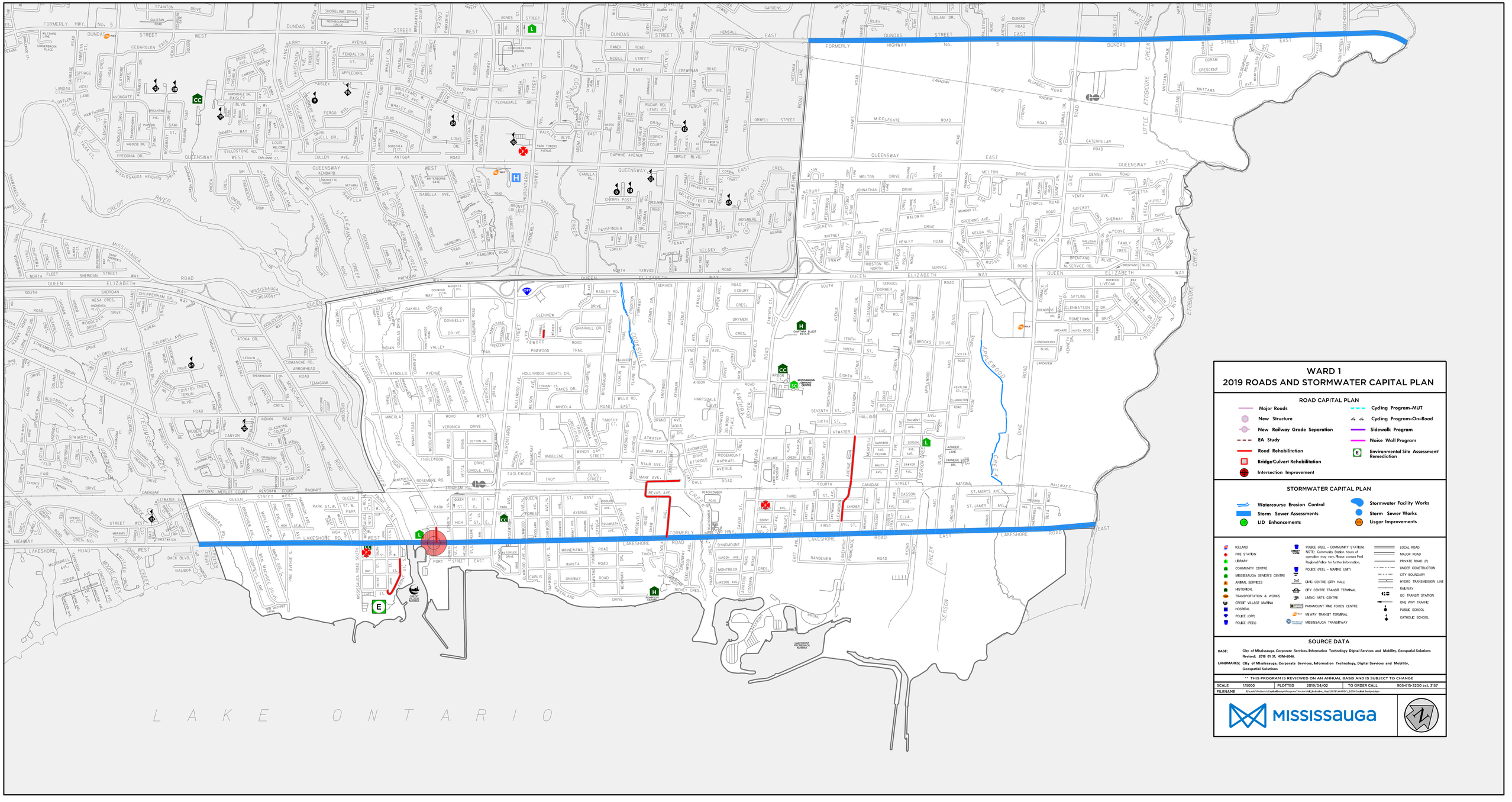
While the City's projects are coordinated with the Region of Peel and other utility companies, occasionally, situations arise where projects may be deferred resulting in changes to planned work. For information about construction works within the City, please visit the construction webpage at the link referenced earlier.

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:
2019 - Ward 1 Roads and Stormwater Capital Plan Map


WARD 1
2019 ROADS AND STORMWATER CAPITAL PLAN
ROAD CAPITAL PLAN
Major Roads
New Structure
New Railway Grade Separation
EA Study
Road Rehabilitation
Bridge/Culvert Rehabilitation
Intersection Improvement
Cycling Program–MUT
Cycling Program–On–Road
Sidewalk Program
Noise Wall Program
Environmental Site Assessment/ Remediation
STORMWATER CAPITAL PLAN
Watercourse Erosion Control
Storm Sewer Assessments
LID Enhancements
Stormwater Facility Works
Storm Sewer Works
Lisgar Improvements
ICELAND
FIRE STATION
LIBRARY
COMMUNITY CENTRE
MISSISSAUGA SENIOR'S CENTRE
ANIMAL SERVICES
HISTORICAL
TRANSPORTATION & WORKS
CREDIT VILLAGE MARINA
HOSPITAL
POLICE (OPP)
POLICE (PEEL)
POLICE (PEEL – COMMUNITY STATION)
NOTE: Community Station hours of operation may vary. Please contact Peel Regional Police for further information.
POLICE (PEEL – MARINE UNIT)
CIVIC CENTRE (CITY HALL)
CITY CENTRE TRANSIT TERMINAL
LIMING ARTS CENTRE
PARAMOUNT FINE FOODS CENTRE
MIWAY TRANSIT TERMINAL
MISSISSAUGA TRANSITWAY
LOCAL ROAD
MAJOR ROAD
PRIVATE ROAD (P)
UNDER CONSTRUCTION
CITY BOUNDARY
HYDRO TRANSMISSION LINE
RAILWAY
GO TRANSIT STATION
ONE WAY TRAFFIC
PUBLIC SCHOOL
CATHOLIC SCHOOL
SOURCE DATA
BASE: City of Mississauga, Corporate Services, Information Technology, Digital Services and Mobility, Geospatial Solutions
Revised: 2018 01 31, 43M-2046.
LANDMARKS: City of Mississauga, Corporate Services, Information Technology, Digital Services and Mobility, Geospatial Solutions
** THIS PROGRAM IS REVIEWED ON AN ANNUAL BASIS AND IS SUBJECT TO CHANGE
SCALE 1:15000
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