

City of Mississauga

Briefing Note



Date: 2020/05/05

To: Pat Saito, Ward 9 Councillor

From: Helen Noehammer
Director, Infrastructure Planning & Engineering Services

Subject: 2020 Roads and Stormwater Capital Plan for Ward 9

The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 9 in 2020. These works are also illustrated on the attached Ward 9 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 9 this year.

Street Name	From	To
Paddle Road	Windwood Drive	Britannia Road West
Winston Churchill Boulevard*	Derry Road West	Argentia Road
Totals	2 Street	1.7 km

* Project carried over from previous year to July 2020 due to pending project by Enbridge in Spring 2020

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. No major road improvement projects are planned in Ward 9 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 project is planned in Ward 9 this year.

Project Location	Project Type
Pedestrian Trail over Aquitaine Avenue	Design

The Pedestrian Trail over Aquitaine Avenue Structure is in the design phase which 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 road right-of-way. The following table summarizes the cycling infrastructure projects planned in Ward 9 this year.

Street Name	From	To	Type	Length (m)
Winston Churchill Boulevard (East Side)*	Crosscurrent Drive	Derry Road West	Multi-Use Trail	1030
Derry Road West (South Side)	Lisgar Meadow Brook Trail	Lake Aquitaine Trail	Multi-Use Trail	2018

*Project carried over from previous 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 9 this year.

Street Name	From	To	Side	Length (m)
Century Avenue	Argentia Road	Argentia Road	W	1,030

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 9 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 9 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 site management projects planned in Ward 9 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 9.

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 9 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 9 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 stormwater management facility projects are planned in Ward 9 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 is one stormwater study planned for Ward 9 this year.

Project Location	Project Type
Stormwater Pond Condition Assessment & Survey: Lake Wabukayne, Lake Aquitaine, Argentia Road (east of Ninth Line) *	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 9 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.

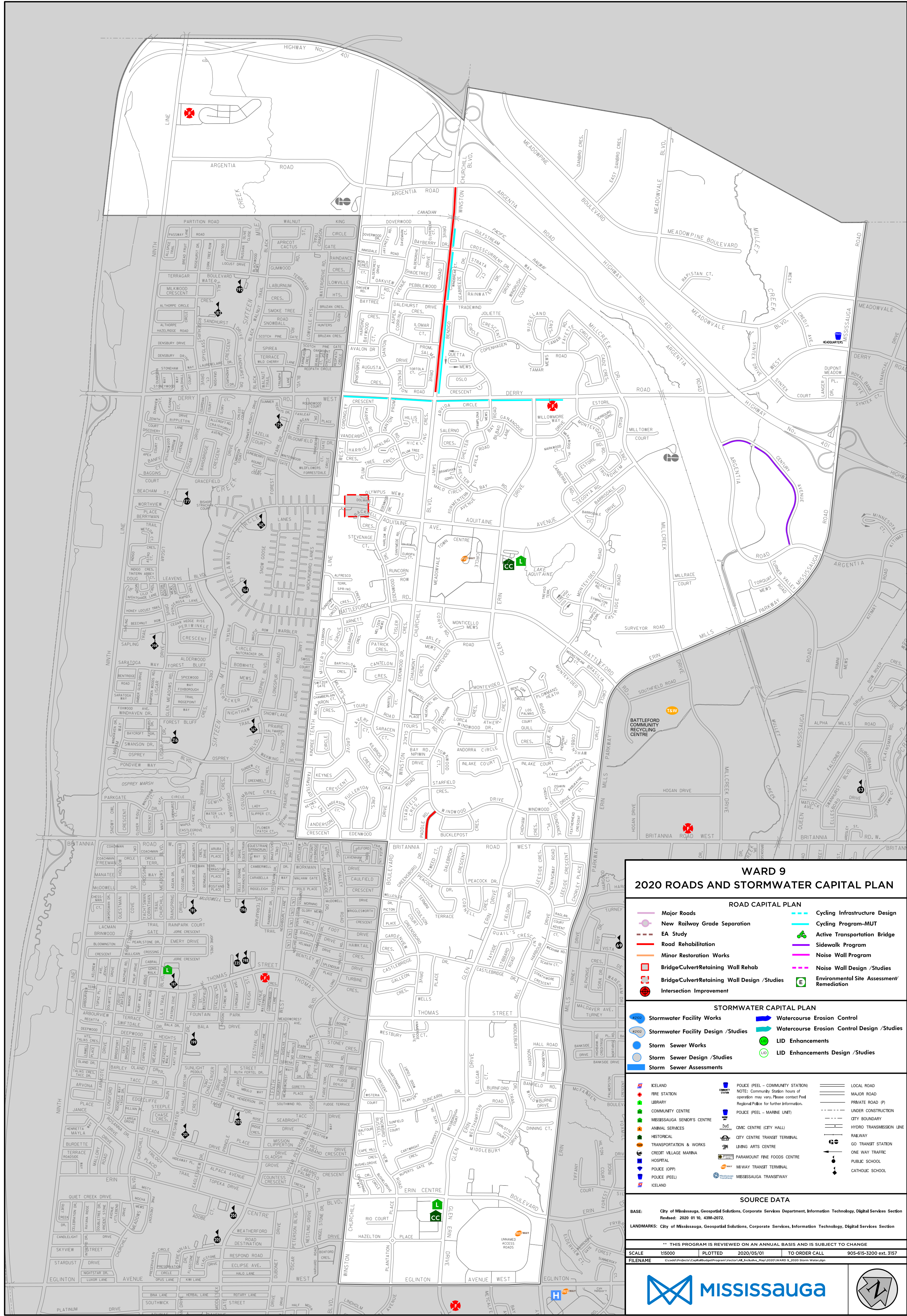
If you have any questions regarding any of the projects within the Stormwater Capital Plan, please contact Scott Perry at extension 5161.

Copies circulated to:

Mayor Bonnie Crombie
Geoff Wright, Commissioner, Transportation and Works

Attachment:

2020 - Ward 9 Roads and Stormwater Capital Plan Map



WARD 9

2020 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

- Major Roads
- New Railway Grade Separation
- EA Study
- Road Rehabilitation
- Minor Restoration Works
- Bridge/Culvert/Retaining Wall Rehab
- Bridge/Culvert/Retaining Wall Design /Studies
- Intersection Improvement

STORMWATER CAPITAL PLAN

- Stormwater Facility Works
- Stormwater Facility Design /Studies
- Storm Sewer Works
- Storm Sewer Design /Studies
- Storm Sewer Assessments

Other Projects

- Cycling Infrastructure Design
- Cycling Program-MUT
- Active Transportation Bridge
- Sidewalk Program
- Noise Wall Program
- Noise Wall Design /Studies
- Environmental Site Assessment/ Remediation

STORMWATER CAPITAL PLAN

- Watercourse Erosion Control
- Watercourse Erosion Control Design /Studies
- LID Enhancements
- LID Enhancements Design /Studies

	ICELAND FIRE STATION		POLICE (PEEL - COMMUNITY STATION)		LOCAL 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		HYDRO TRANSMISSION LINE
	ANIMAL SERVICES		LIVING ARTS CENTRE		GO TRANSIT STATION
	HISTORICAL		PARAMOUNT FINE FOODS CENTRE		ONE WAY TRAFFIC
	TRANSPORTATION & WORKS		M-WAY TRANSIT TERMINAL		PUBLIC SCHOOL
	CREDIT VILLAGE MARINA		MISSISSAUGA TRANSITWAY		CATHOLIC SCHOOL
	HOSPITAL				
	POLICE (OPP)				
	POLICE (PEEL)				
	ICELAND				

SOURCE DATA

BASE: City of Mississauga, Geospatial Solutions, Corporate Services Department, Information Technology, Digital Services Section
Revised: 2020 01 10, 43M-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	1:15000	PLOTTED	2020/05/01	TO ORDER CALL	905-615-3200 ext. 3157
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