Date: 2023/04/10

To: Councillor Stephen Dasko
Ward 1

From: Sam Rogers
Director, Infrastructure Planning and Engineering Services

Andy Harvey
Director, Traffic Management and Municipal Parking

Joe Perrotta
Director, Rapid Transit Program Office

Subject: 2023 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 projects planned for Ward 1 in 2023. These projects are also illustrated on the attached Ward 1 Roads and Stormwater Capital Plan Map.

The Roads Capital Plan includes roadway rehabilitation, major roads improvements, integrated road projects, bridge and culvert renewal, cycling infrastructure, sidewalk improvements, noise wall replacements and upgrades, intersection improvements, rapid transit studies, road safety projects, traffic signal modernization and the installation of new signals, streetlight replacements, and environmental site management projects.

**Roadway Rehabilitation**

The Roadway Rehabilitation program is focused 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. 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 2023 city-wide budget for roadway rehabilitation is $18.9 million. With the streets carried over from 2022, this year’s construction program includes 27.1 km of road surface, affecting 30 streets across the City. The table below summarizes the streets planned for rehabilitation in Ward 1 this year.
Street Name | From | To
--- | --- | ---
East Avenue | Lakeshore Road East | Third Street
*Enola Avenue | Lakeshore Road East | Revus Avenue
Greaves Avenue | Lakeshore Road East | Third Street
Westmount Avenue | Lakeshore Road East | Road End

Total: 4 streets | 0.9 km

*Indicates that the road was carried over from a 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 design and construction. There are no major road improvement projects underway or planned in Ward 1 this year.

**Integrated Road Projects**

The Integrated Roads Program seeks to improve the coordination of City road projects and reduce construction costs and nuisance/fatigue for local residents by bundling planned road improvement projects into a single construction project. Integrated Road Projects will take a complete streets approach to the planning and design of various planned road improvements which may include pavement and structure rehabilitation as well as pedestrian and cycling, transit, safety, noise wall, drainage and other roadway infrastructure improvements. No integrated projects are planned in Ward 1 this year.

**Bridge and Culvert Renewal**

The Bridge and Culvert program focuses on structural rehabilitations and replacements. For structures over watercourses, the Stormwater Team is consulted on needs or opportunities for hydraulic improvements to reduce flooding risks. The following project is planned in Ward 1 this year.

<table>
<thead>
<tr>
<th>Project Location</th>
<th>Project Type</th>
<th>Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinetree Crescent Culvert over Stavebank Creek</td>
<td>Culvert Lining/Replacement</td>
<td>Construction anticipated for Summer/Fall 2023</td>
</tr>
</tbody>
</table>

The culvert on Pinetree Crescent over Stavebank Creek has a number of deficiencies requiring rehabilitation. A lifecycle evaluation is being conducted to determine if the structure should be lined or replaced.
Active Transportation Structures

Active transportation structures typically include bridges or tunnels across major barriers, such as highways, railways and rivers. New crossing priorities have been identified in the Cycling Master Plan. There are four active transportation structure projects in Ward 1 this year.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Transportation Bridge over Credit River (Port Credit)</td>
<td>Planning and Design</td>
</tr>
<tr>
<td>Active Transportation Bridge over Credit River (QEW)</td>
<td>Construction as part of MTO project</td>
</tr>
<tr>
<td>Active Transportation Bridge over QEW (Stavebank Road)</td>
<td>Construction as part of MTO project</td>
</tr>
<tr>
<td>Active Transportation Bridge over QEW (Ogden Avenue)</td>
<td>Construction as part of MTO project</td>
</tr>
</tbody>
</table>

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. No cycling infrastructure projects are planned in Ward 1 this year.

Sidewalk Improvements

Mississauga’s Pedestrian Master Plan has identified the needs, locations and priorities for pedestrian infrastructure improvements in the City. Projects in the annual Sidewalk Program focus on filling in gaps in the network to improve safety, accessibility and connectivity for pedestrians. No sidewalk improvement projects are planned in Ward 1 this year.

Noise Wall Replacements and Upgrades

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.

Upgrading fences to noise walls can be done in advance of a major road project, integrated road project or through a standalone improvement project provided that the proposed noise wall meets the installation criteria set out in Policy 09-03-03. There are no noise wall upgrade projects 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. There is one intersection improvement project planned in Ward 1 this year, as summarized in the following table.
Project Name | Project Type | Update/Completion | Ward
---|---|---|---
Cawthra Road at Arbor Road – Carmen Corbasson Community Centre | Enhanced Bus Shelter and Queue Jump Lane | | 

**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 four main projects, some of which are split into separate projects – the Hurontario Light Rapid Transit (LRT) (implementation led by Metrolinx), the Lakeshore Higher Order Transit (HOT) corridor, the Dundas Bus Rapid Transit (BRT) corridor and the Downtown Mississauga Terminal and Transitway Connection. The Hurontario LRT is well under construction, scheduled for completion in late 2024. Implementation funding has been approved for the Lakeshore BRT and Dundas BRT Mississauga East through the Investing in Canada Infrastructure Program (ICIP). Project timelines for construction are currently under development. The remaining projects have approved funding to undertake environmental assessment and preliminary design studies. The rapid transit projects which fall within Ward 1 are summarized in the following table.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Type</th>
<th>Update/Completion</th>
<th>Ward</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hurontario LRT (Hazel McCallion Line) - Implementation led by Metrolinx</td>
<td>Design/Construction</td>
<td>Completion scheduled for late 2024</td>
<td>Ward 1, 4, 5, 7</td>
</tr>
<tr>
<td>Lakeshore Bus Rapid Transit (BRT) – East Avenue to Etobicoke Creek</td>
<td>Design/Construction</td>
<td>Anticipated study completion in 2023</td>
<td>Ward 1</td>
</tr>
<tr>
<td>Lakeshore Complete Street Study – East Avenue to West City limit</td>
<td>EA Study</td>
<td>Anticipated study completion in 2023</td>
<td>Wards 1, 2</td>
</tr>
<tr>
<td>Dundas Bus Rapid Transit (BRT) Mississauga East – Cooksville Etobicoke Creek</td>
<td>Design/Construction</td>
<td>Design commencement in 2023* Project timelines under development</td>
<td>Wards 1, 3, 4, 7</td>
</tr>
</tbody>
</table>

* Property acquisitions to commence with design in 2023

**Road Safety Projects**

Road Safety Projects include the installation of Pedestrian Crossovers and Traffic Calming measures. The installation of traffic calming measures requires the assessment of city roadways for traffic safety issues and the potential installation of physical measures, such as speed humps and raised pedestrian crossings. These projects often require public consultation prior to project approval. Project updates on all traffic calming projects can be found on the City’s website. There are four Road Safety projects planned for Ward 1 this year.
<table>
<thead>
<tr>
<th>Location</th>
<th>Project Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kendall Road from Dixie Road to Harvest Drive</td>
<td>Traffic Calming</td>
<td>Approved for 2023 construction</td>
</tr>
<tr>
<td>Rometown Drive from Dixie Road to Park Royal Boulevard</td>
<td>Traffic Calming</td>
<td>Approved for 2023 construction</td>
</tr>
<tr>
<td>Stanfield Drive from Henley Road to Queensway</td>
<td>Traffic Calming</td>
<td>Approved for 2023 construction</td>
</tr>
<tr>
<td>Stavebank Road from Rosemere Road to Pinetree Way</td>
<td>Traffic Calming</td>
<td>Approved for 2023 construction</td>
</tr>
</tbody>
</table>

**Street Light Replacements**

The Street Light Replacement Program addresses old streetlighting infrastructure that is in critical condition and in need of replacement. The program includes the replacement of Erindale style streetlight poles. The Erindale Style poles, which only exist in Wards 8, 9 and 11, are made of steel and buried directly in the ground. The metal poles deteriorate because of their exposure to salt and other ground minerals. No street light replacements are planned in Ward 1 this year.

**Traffic Signal Installations**

The need for the installation of a new traffic control signal is determined when signal warrant criteria are satisfied, when traffic conditions have changed significantly rendering the existing form of traffic control inefficient, and/or when imminent adjacent development indicates that signalization will be required. No new traffic signal installation projects are planned for Ward 1 this year.

**Traffic Signal Modernization**

Existing traffic signals are modernized when the age of traffic signal equipment and the anticipated increased maintenance indicate that upgrades and/or replacements of the existing traffic signal infrastructure are required. No new Traffic Signal Modernization projects were planned for Ward 1 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 management project planned in Ward 1 this year.

<table>
<thead>
<tr>
<th>Project Location</th>
<th>Project Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laughton Heights Park*</td>
<td>Remedial Action Analysis and Possible Remediation</td>
</tr>
</tbody>
</table>

* Indicates that the project was carried over from the previous year.

The activities proposed in this project involve the collection of soil samples using hand-held equipment and possibly heavy equipment for excavation of a limited area. Possible some short-
term noise disturbance during normal business hours is expected depending on the type of equipment used.

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 two watercourse improvement projects planned in Ward 1 this year.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooksville Creek Erosion Control – South of Lakeshore Road East</td>
<td>EA/Design</td>
</tr>
<tr>
<td>Cooksville Creek Erosion Control – Cawthra Creek Diversion, North of Lakeshore Road East</td>
<td>EA/Design</td>
</tr>
</tbody>
</table>

* Project carried over from previous 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. There is one storm sewer project planned for Ward 1 this year.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twinning of QEW Culvert at Harvest Drive* ***</td>
<td>Construction</td>
</tr>
</tbody>
</table>

* Indicates that the project was carried over from the previous year.

*** Project is being led by the MTO.

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 stormwater studies planned in Ward 1 this year.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Credit Master Drainage Study* **</td>
<td>Master Plan EA</td>
</tr>
<tr>
<td>Cooksville Creek at CNR Tracks Conveyance Improvements **</td>
<td>Study</td>
</tr>
</tbody>
</table>

* Indicates that the project was carried over from the previous year.
** 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 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 Infrastructure Communications Strategy

In partnership with the Strategic Communications Team, the Roads and Stormwater service areas are committed to improving and simplifying communications for infrastructure construction projects. This work includes developing consistent messaging for construction notice letters, improving construction project signage, clarifying communication channels and processes, and increasing 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 2023 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.

The Field Ambassador Program, introduced in 2021, is continuing in 2023 to help improve how the City communicates with residents and businesses concerning construction projects taking place in their neighbourhoods. The Field Ambassador has a presence at construction sites, particularly on our Road Rehabilitation projects, and is available by phone or email for residents and businesses to ask questions, share their feedback and get more information on the project.

If you have any questions regarding the Road Safety, Traffic Signal or Streetlighting projects within your ward, please contact Andy Harvey, Director, Traffic Management and Municipal Parking, at extension 5118.

If you have any questions regarding the Rapid Transit projects within your ward, please contact Joe Perrotta, Director, Rapid Transit Program Office, at extension 5125.
If you have any questions regarding any of the remaining Road and Stormwater projects, please contact Sam Rogers, Director, Infrastructure Planning and Engineering Services, at extension 5086.

Copies circulated to:

Mayor Bonnie Crombie
Geoff Wright, Commissioner of Transportation and Works

Attachment:
2023 - Ward 1 Roads and Stormwater Capital Plan Map