

2019 Construction Map Project Descriptions

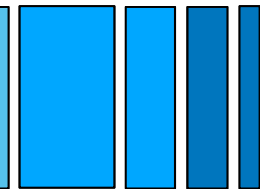


Introduction

The purpose of this guide is to provide a description of the City project types shown in the legend of the Construction Map.

The City's projects are shown in two categories based on the Capital Program and they are represented by:

- ***Roads Projects*** – Roads Capital Program
- ***Stormwater Projects*** – Stormwater Capital Program



Descriptions of the project types are included in the following pages.

To learn more about the projects being led by other agencies, please contact these agencies directly using the contact information provided on the map.

Overview

Roads Projects

- Road Improvements Page 4
- Bridge and Culvert Repairs Page 5
- Cycling Program Page 5
- Sidewalks Page 5
- Intersection Improvements Page 6
- Noise Wall Program Page 6

Stormwater Projects

- Drainage Improvements Page 7
- Creek Improvements Page 7
- Storm Sewers Page 7
- Stormwater Ponds Page 8
- Low Impact Development Features Page 8

Roads Projects

Road Improvements

This category includes projects from the programs of Road Resurfacing and Major Roads Improvements.

The **Road Resurfacing** program focuses on renewal of the pavement, curb and sidewalk infrastructure within the road right-of-way (ROW). Pavement renewal can range from resurfacing to full reconstruction of the roadway pavement structure. The curbs and sidewalks may also be replaced if warranted by their condition. These projects are priority 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 **Major Roads Improvements** program includes projects such as new roads, road widenings, multi-modal integrations (e.g. transit, vehicular, cycling, walking, rail and air travel), railway over/underpasses, 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.

Roads Projects

Bridge and Culvert Repairs

This program focuses on the structural rehabilitation or replacement of bridges and culverts. This type of work generally includes the reconstruction and rehabilitation of bridge decks, footings, foundations and concrete surfaces. Opportunities to reduce the risk of flooding for structures over creeks are explored in partnership with the City's Stormwater team.

Cycling Program

Mississauga's Cycling Master Plan identifies the needs, locations and priorities for cycling infrastructure improvements in the City. These projects include bike lanes and multi-use trails within the roadway right-of-way (ROW).

Sidewalks

This program focuses on constructing new sidewalks to improve sidewalk connections and the overall network for pedestrians.

Roads Projects

Intersection Improvements

This program focuses on improving the safety, traffic flow and capacity of intersections. Improvements typically take the form of additional turning or through lanes to improve vehicle capacity and/or to support the installation of traffic signals. The program explores opportunities to reduce conflicts between pedestrians and motorists.

Noise Wall Program

This program replaces and installs new noise walls based on an assessment of 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 the City's policy for noise barriers on major roadways (policy no. 09-03-03).

Stormwater Projects

Drainage Improvements

This program includes the assessment of stormwater drainage and implementation of road right-of-way (ROW) improvements to mitigate issues such as potential basement water infiltration, poor ditch and culvert drainage and lack of overland flow routes.

Creek Improvements

This program focuses 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 Municipal Class Environmental Assessment (EA) study.

Storm Sewers

The City's storm sewer network collects, conveys and discharges stormwater runoff. The system is comprised of assets such as pipes, maintenance holes and catchbasins. Projects in this program maintain and renew the storm sewer network and typically include storm sewer repairs and replacements.

Stormwater Projects

Stormwater Ponds

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 repair works to maintain infrastructure as well as water quality and quantity function.

Low Impact Development Features

This program focuses on constructing Low Impact Development (LID) enhancements within the road right-of-way (ROW) where opportunities exist. Common LID features within the ROW include enhanced vegetated swales and bioretention features that promote infiltration and/or filtration.