

Transportation Services

Capital Projects – 5 Year Overview (2024)

Agenda

- **1-5 Year Capital Forecast**
- **Safety Initiatives**

Capital Budget Allocation - Definitions

➤ Network Expansion

includes the construction of new roads, and the widening of existing roads to accommodate growth and development as part of the Region's 10-Year Capital Roads Program identified in the Transportation Master Plan.

➤ Intersection Improvement Program

involves modifications to improve the safety of the intersection, such as adding turn lanes and curbs, resurfacing the road and changing pavement markings, installing new traffic signals, and creating roundabouts.

➤ Roads Rehabilitation Program

involves reconstruction of roads to address deteriorating pavement conditions and improve the cross section. This may include new buried infrastructure, curb and gutter and active transportation.

➤ Structure Rehabilitation Program

Will include one of the following strategies:

Bridge Rehabilitation involves the modification, alteration or improvement of existing bridges on Regional Roads. The work is performed to correct deficiencies that will extend the service life or increase the load carrying capacity.

Bridge Replacement involves the replacement of existing bridge structures that have reached the end of their service life.

1-5 Year Capital Forecast - Network Expansion

RR55 Niagara Stone Rd RR100 Four Mile Creek Rd to Line 1

Status

Construction underway



1-5 Year Capital Forecast - Network Expansion

RR55 Niagara Stone Rd
Line 1 to East West Line

Status
Future project



RR55 Niagara Stone Rd looking east to Concession 4

1-5 Year Capital Forecast - Network Expansion

RR90 Airport Rd

RR55 Niagara Stone Rd to RR81 York Rd

Status
Future project



RR90 Airport Rd looking north to RR55 Niagara Stone Rd

1-5 Year Capital Forecast - Intersection Improvement Program

Status
Detailed Design

RR55 Niagara Stone Rd
At Airport Rd and Line 4



RR55 Niagara Stone Rd looking east at intersection of Airport Rd

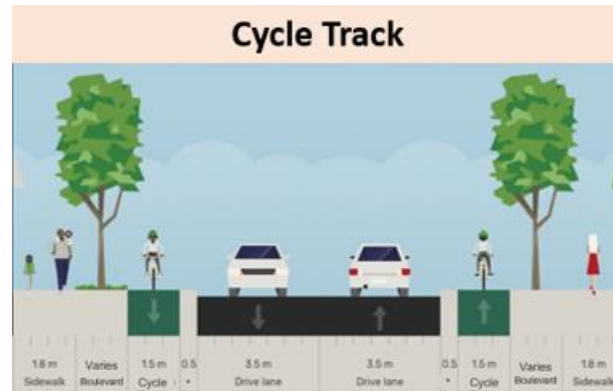


RR55 Niagara Stone Rd looking west at Line 4

1-5 Year Capital Forecast - Intersection Improvement Program

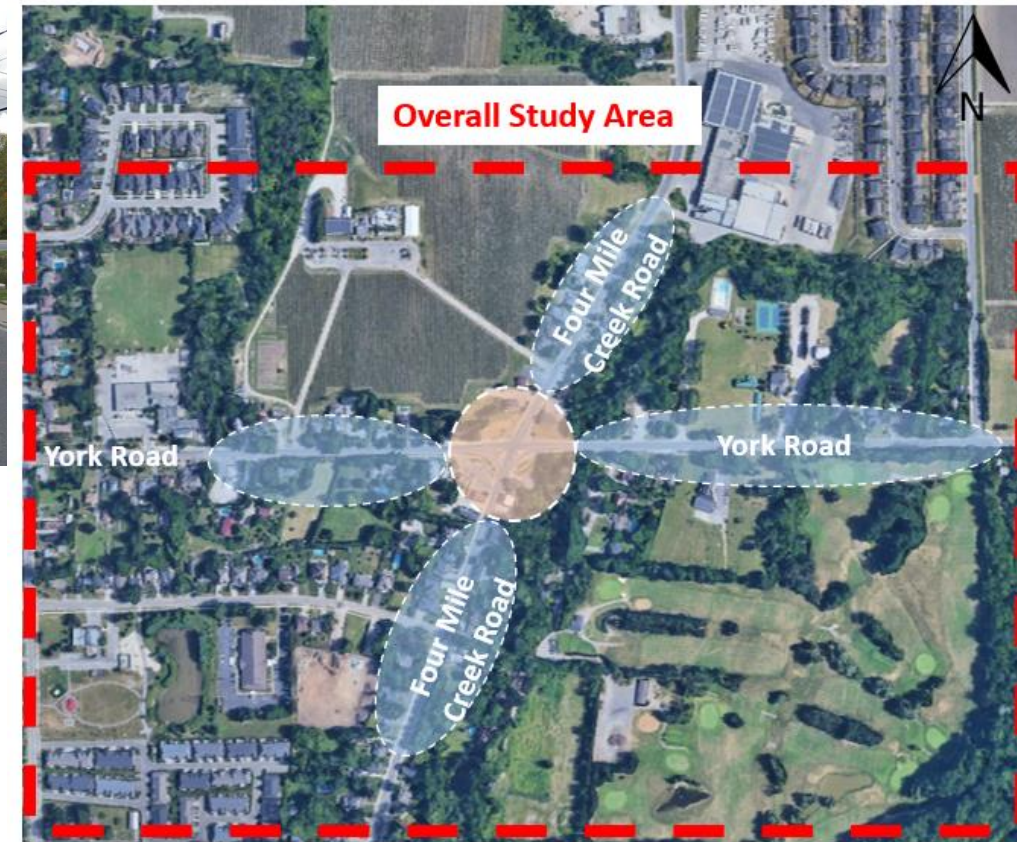
Status
Detailed Design

RR100 Four Mile Creek Rd At RR81 York Rd



RR100 Four Mile Creek Rd at the
intersection of RR81 York Rd looking north

EA Recommendation:
-Single Lane Roundabout
-Cycle Tracks and wider sidewalks



1-5 Year Capital Forecast - Roads Rehabilitation Program

RR61 Townline Rd

From Stanley Ave to RR100 Four Mile Creek Rd

Status

Detailed Design



RR61 Townline Rd looking east to Melrose Drive

1-5 Year Capital Forecast - Roads Rehabilitation Program

RR81 York Rd

From Glendale Diverging Diamond Interchange to the Canal

Status
Future Project



RR81 York Rd looking east at RR55 Niagara Stone Rd

1-5 Year Capital Forecast - Roads Rehabilitation Program

RR81 York Rd

RR100 Four Mile Creek Rd to Queenston St

Status
Detailed Design



RR81 York Rd looking east at Tanbark Rd

1-5 Year Capital Forecast - Roads Rehabilitation Program

RR87 Lakeshore Rd

Townline Rd to Four Mile Creek Rd Multi- Use Path

Status

Feasibility Study underway

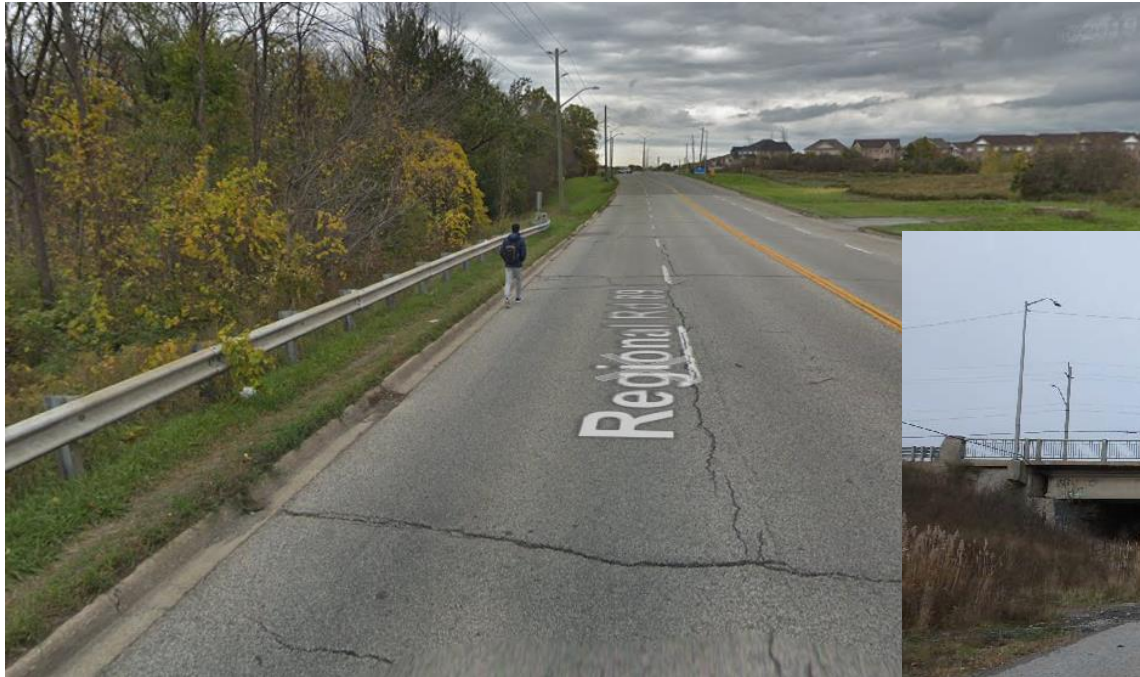


RR87 Lakeshore Rd looking west to Firelane 2

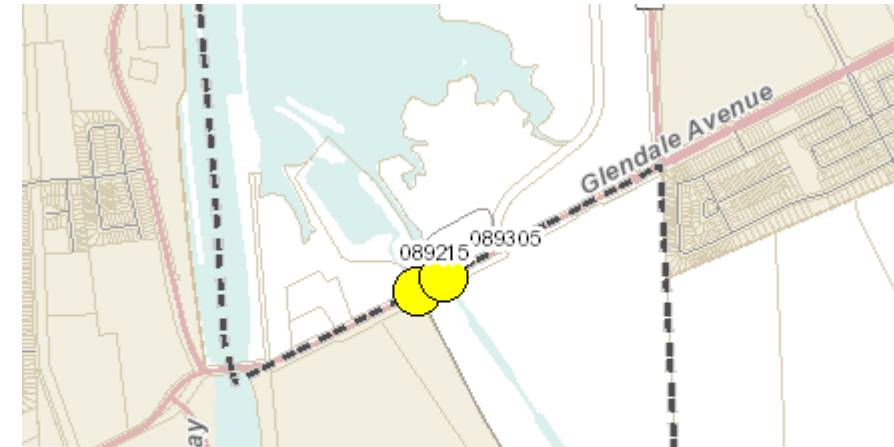
1-5 Year Capital Forecast - Roads Rehabilitation Program

RR 89 Glendale Ave from Welland Canal to Homer Rd

Status
Detailed Design



RR89 Glendale Ave looking east to Homer Road



Glendale Avenue Bridge - Elevation



Glendale Ave Twin Culverts-north elevation

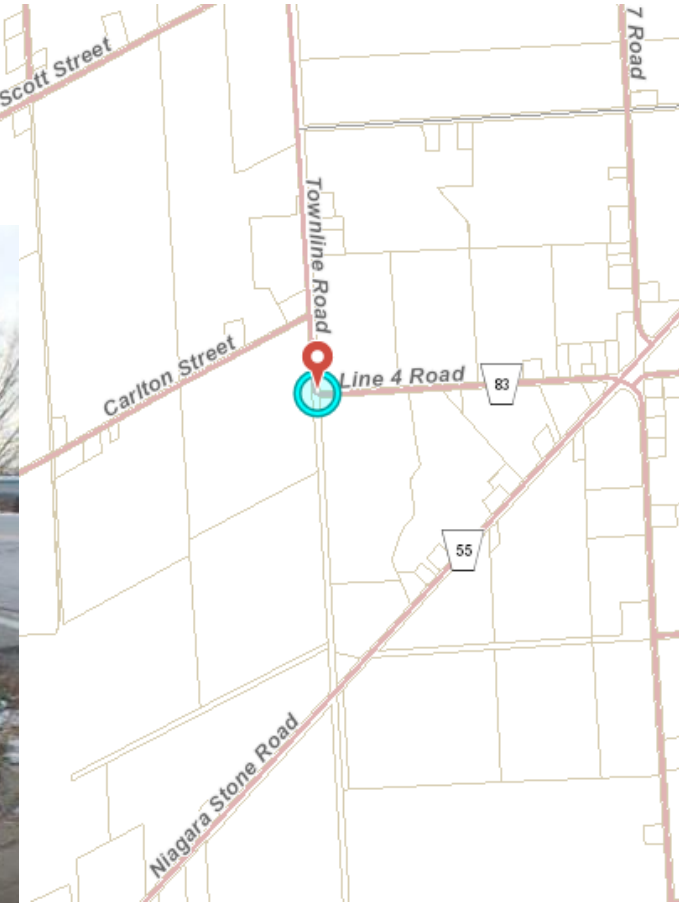
1-5 Year Capital Forecast - Structure Rehabilitation Program

Status
Future Project

Line 4 Bridge



Line 4 Bridge – road over structure looking west



Line 4 Bridge – north elevation

1-5 Year Capital Forecast - Structure Rehabilitation Program

Lakeshore Rd Culvert

Status

Future Project



Lakeshore Rd Culvert -
road over structure looking west



Lakeshore Rd Culvert – south elevation



Road Safety - Vision Zero – Road Safety Strategic Plan



5 Year Road Safety Strategic Plan

Emphasis Areas and Dedicated Safety Programs

- Red Light Cameras • Automated Speed Enforcement
- Community Safety Zones • In-Service Safety Reviews
- School Zones • Pedestrian Crossovers
- Bollard Programs • Education

Safety is Foundational

- Traffic Signals + PXOs • Winter Maintenance • Capital Reconstructions (EAs)
- Complete Streets • State-of-Good Repair

Road Safety

Community Safety Zones and Automated Speed Enforcement



➤ 4 Cameras rotating through 13 Community Safety Zones

Each deployment remains in place for approximately 90 days before being moved to the next location

➤ Two Niagara-on-the-Lake Locations

Winter 2023/24 – RR55 Niagara Stone Rd – Concession 6 and Four Mile Creek

Spring 2024 – RR81 York Rd – Queenston Rd and Concession 3

➤ ASE Effectiveness

Peer municipalities have seen significant benefits – 45% reductions in the number of speeders

Road Safety - Recent and Targeted Enhancements



New Pedestrian Crossover
RR55 Niagara Stone Rd at
Balmoral Dr/Anderson Lane
Completed September 2023



Speed Display Board
Four Mile Creek Rd
Completed August 2023



IPS Signal
RR81 York Rd at Tanbark Rd
Completed April 2022

Thank-you