

Highway 400 Resurfacing, Sunnidale Road Underpass Replacement Barrie, Ontario

PROJECT UPDATE

Ministry of Transportation
Group 'B' Class Environmental Assessment and Detail Design Study

G.W.P. 2445-15-00



McINTOSH PERRY

WELCOME/OVERVIEW

Welcome to the Project Update for the Class Environmental Assessment (EA) and Detail Design Study for Highway 400 Resurfacing, Sunnidale Road Underpass Replacement and associated work in Barrie, Ontario. The purpose of this Project Update is to present the work completed to date including:

1. Detail Design of the EA approved plan for Highway 400
2. Project Background & Study Area
3. Project Works
4. Potential environmental impacts and mitigation measures
5. Construction staging
6. Next steps

To provide a comment, question or request additional information related to the project, please fill out the form on the [Contact Us](#) page of the website.

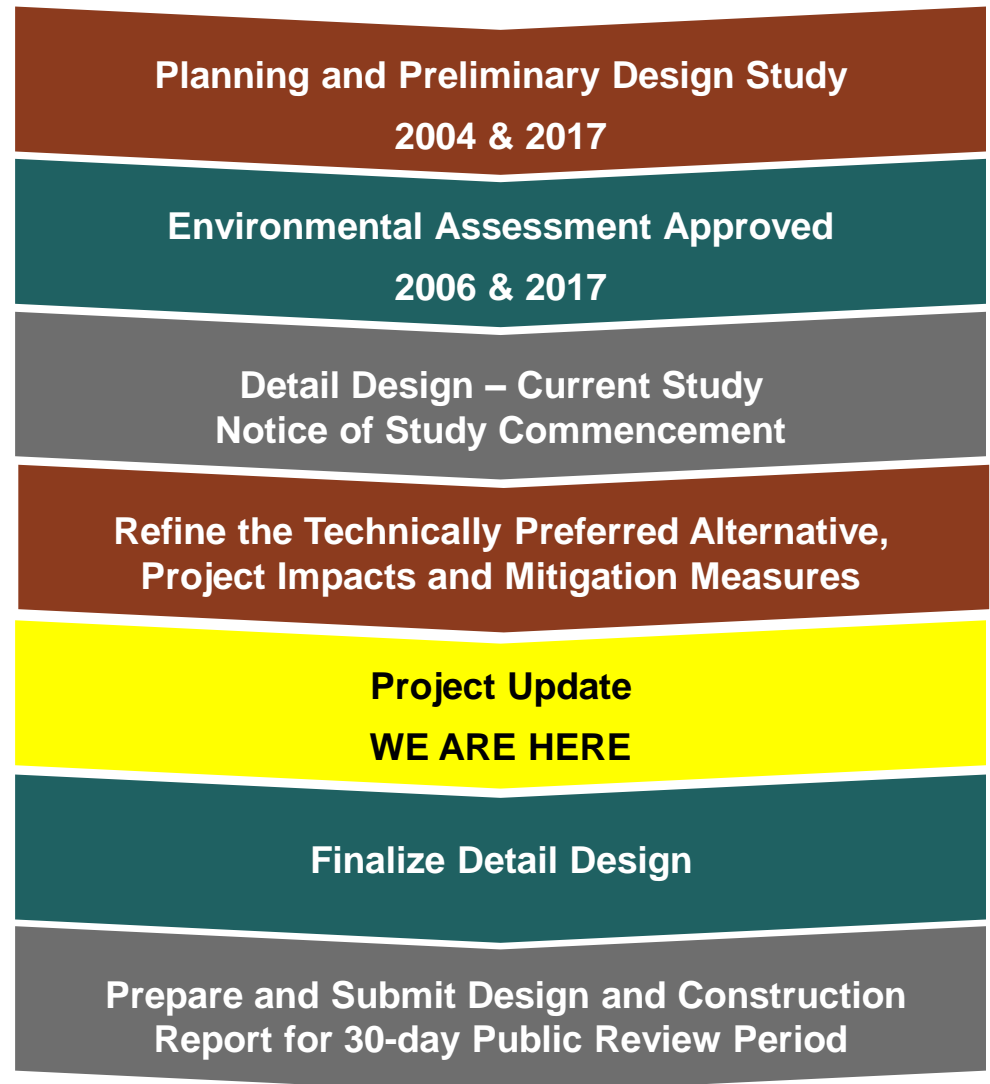
For email, please send to: highway400dunlopannesunnidale@mcintoshperry.com

CLASS ENVIRONMENTAL ASSESSMENT

This Study is following the approved planning process under the MTO Class Environmental Assessment for Provincial Transportation Facilities (2000) for a Group “B” project.

This includes an assessment of potential impacts of the project works on the study area and the development of mitigation measures to address environmental concerns.

Following this Project Update, the Detail Design of project works will be finalized and a Design and Construction Report (DCR) will be prepared and made available for a 30-day public review period. Further notification will be provided to the public at that time.

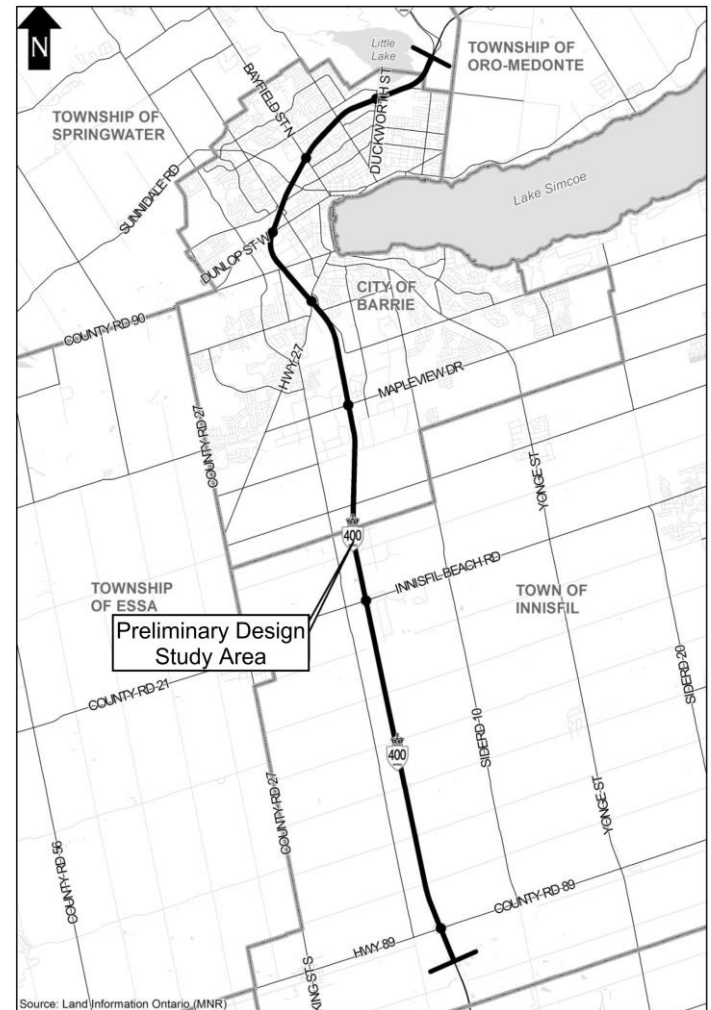


BACKGROUND

In 2001, the Ministry of Transportation of Ontario (MTO) initiated a Preliminary Design and Class EA Study to identify improvements and widening requirements for the 30 km section of Highway 400 from 1 km south of Highway 89 northerly to the junction with Highway 11.

In 2014, a subsequent Preliminary Design and Class EA Study was initiated to update the previous recommendations based on future (2031) long term traffic projections.

Both studies found that the widening of Highway 400 to 10 lanes was required to accommodate future growth. In association with the widening, major improvements to the corridor include upgrading all bridges, various interchange improvements and installation of noise walls. Environmental clearance for the studies was obtained in July 2006 and December 2017.



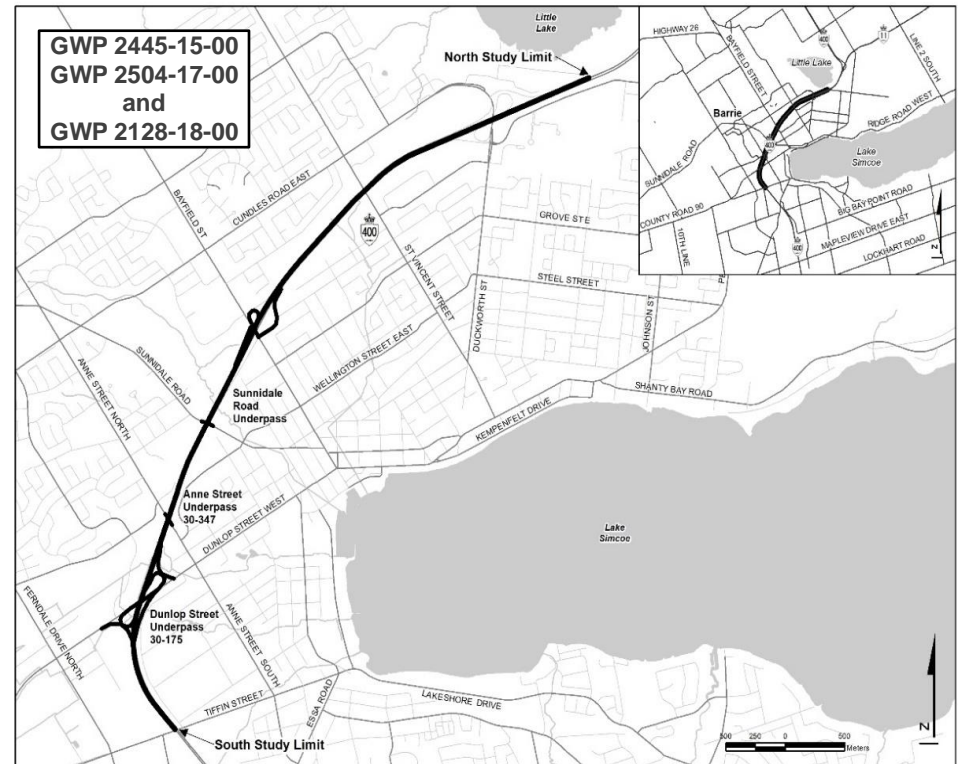
Highway 400 from Highway 89 to Highway 11

STUDY AREA

The MTO is currently undertaking the Class Environmental Assessment and Detail Design Study for Highway 400 for the following:

- Replacement of three bridges on Highway 400 at Dunlop Street, Anne Street and Sunnidale Road;
- Reconstruction of the Highway 400 interchange at Dunlop Street;
- Highway 400 pavement resurfacing from Dunlop Street to north of St. Vincent Street including Bayfield Street ramps;
- Highway 400 median barrier replacement and drainage improvements;
- Noise walls in the vicinity of Dunlop, Anne and Duckworth streets, and
- Provisions for future Highway 400 illumination.

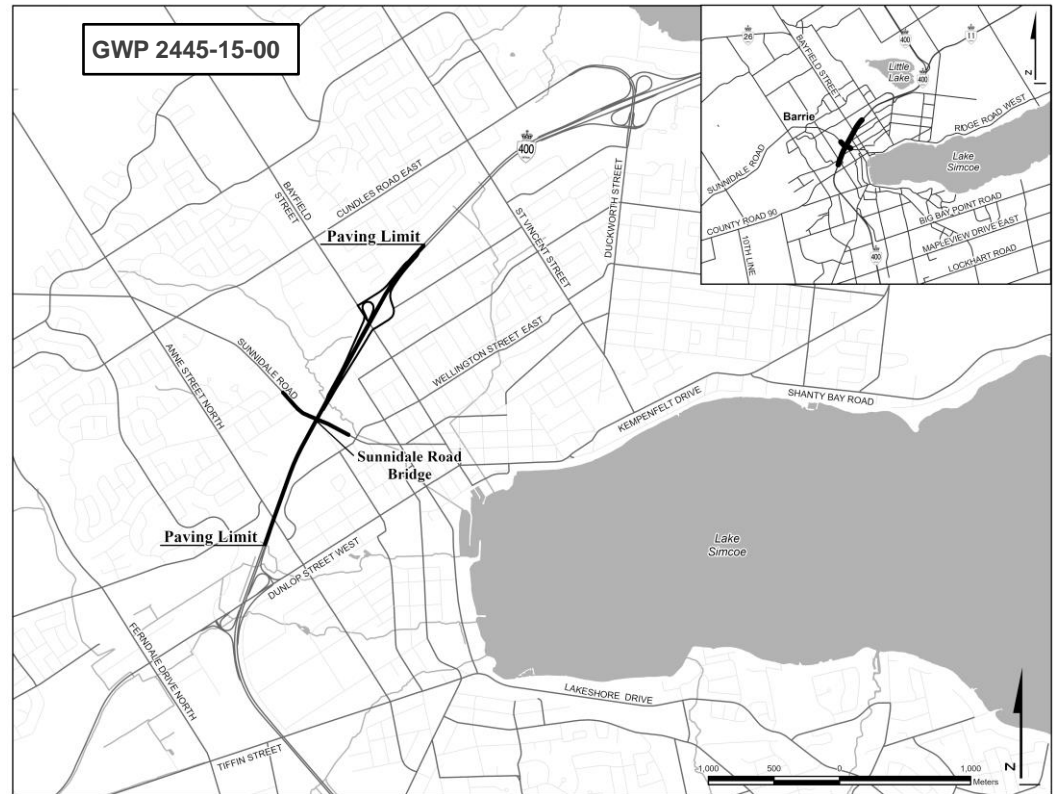
A Notice of Study Commencement was posted in the Barrie Advance on March 21, 2019.



PROJECT WORKS

The Sunnidale Road Underpass bridge replacement project is the second in a series of contracts that are being completed in the Study Area. The project work includes:

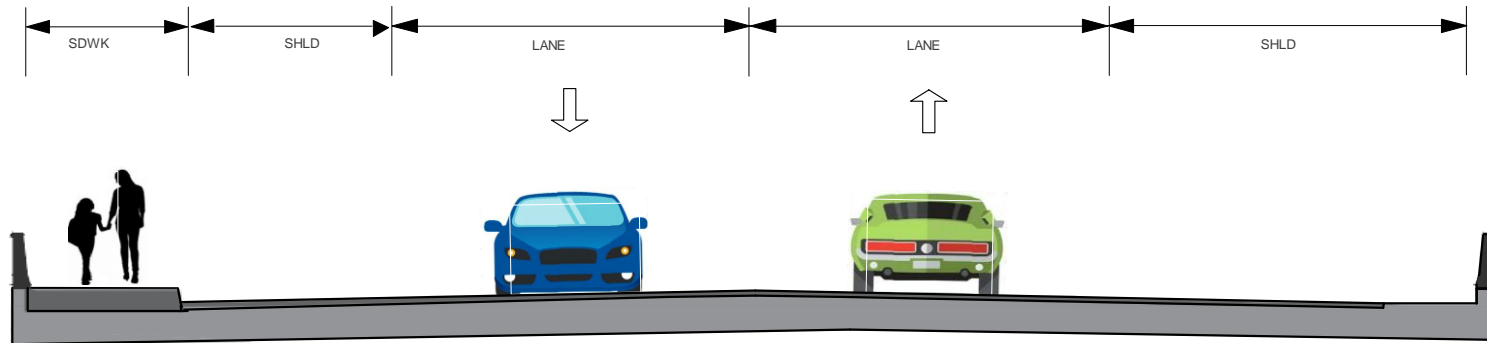
- Lengthening the new Sunnidale Road Underpass bridge to accommodate the future widening of Highway 400;
- Widening the new Sunnidale Road Underpass bridge to accommodate City of Barrie request;
- Highway 400 median barrier replacement and drainage improvements;
- Pavement resurfacing of Highway 400 from south of Sunnidale Road to north of Bayfield Street, including Bayfield Street and Ramps, and
- Kidd's Creek culvert extension.



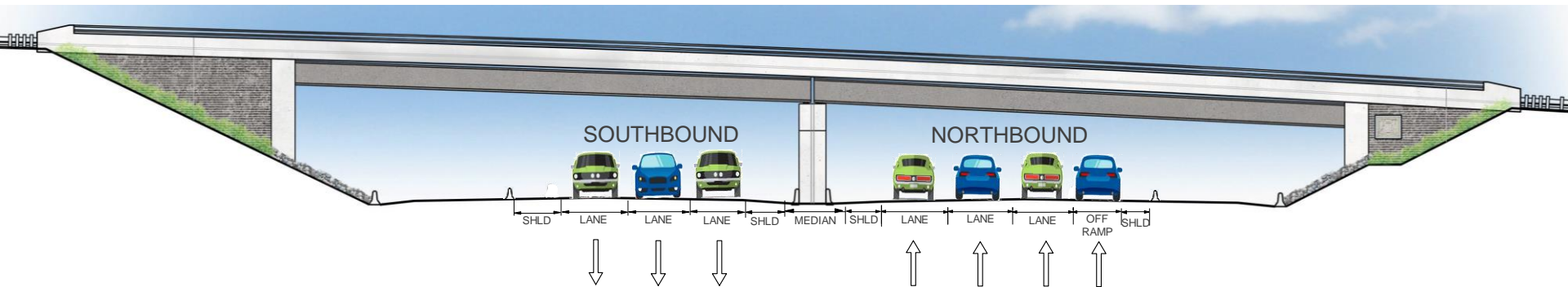
The key map above illustrates the location of project works.

Project notifications will be provided separately for the Dunlop Street contract as design advances.

NEW SUNNIDALE ROAD BRIDGE



New Sunnidale Road Bridge lane configuration

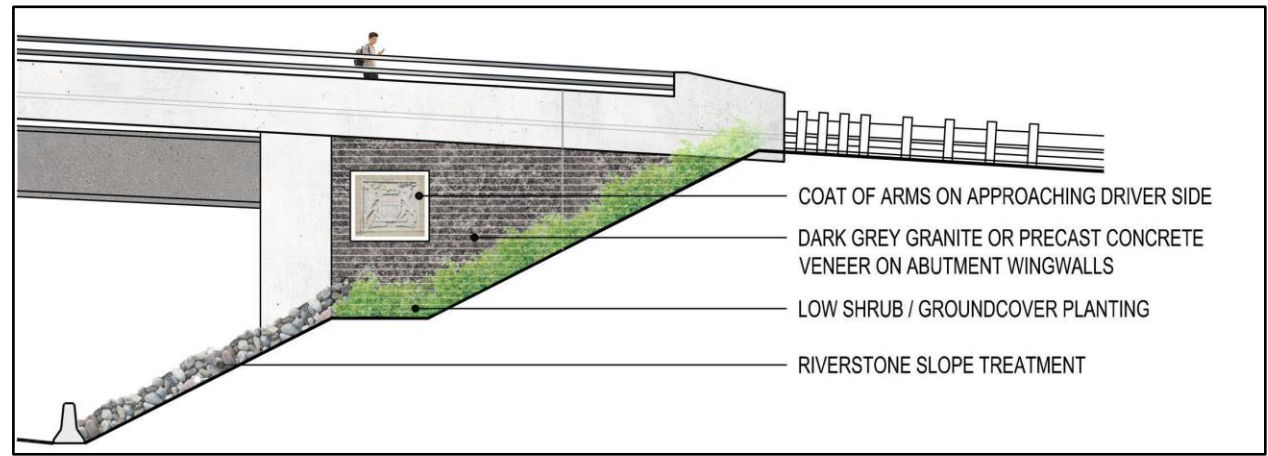


New Sunnidale Road Bridge and Highway 400 lane configuration

CULTURAL HERITAGE

During project planning of Highway 400 improvements from Highway 89 to Highway 11, a series of nine (9) bridges were identified as having the only remaining 'original' Coat of Arms in the Province, including Sunnidale Road.

The new Sunnidale Road Underpass Bridge will carry forward this cultural heritage attribute by installing a new concrete stamped Coat of Arms in the abutment face and landscape features, as shown on the figure below.



ENVIRONMENTAL IMPACTS AND MITIGATION

Environmental conditions of the project area have been studied to determine potential impacts of the construction project. The following is an overview of potential environmental impacts and prescribed mitigation measures, to be implemented during construction.

- **Aquatic Habitat and Fish Communities**

- Kidd's Creek, north of Sunnidale Road, has been identified as Brook Trout spawning habitat.
 - Mitigation Measures and Best Management Practices will be implemented during construction.

- **Terrestrial Ecosystems**

- Vegetation removals are required for widening of the highway platform required for construction staging
 - Tree planting and landscaping will be undertaken at the conclusion of construction to mitigate vegetation removals.

- **Species at Risk (SAR)**

- No SAR were identified within the project area.

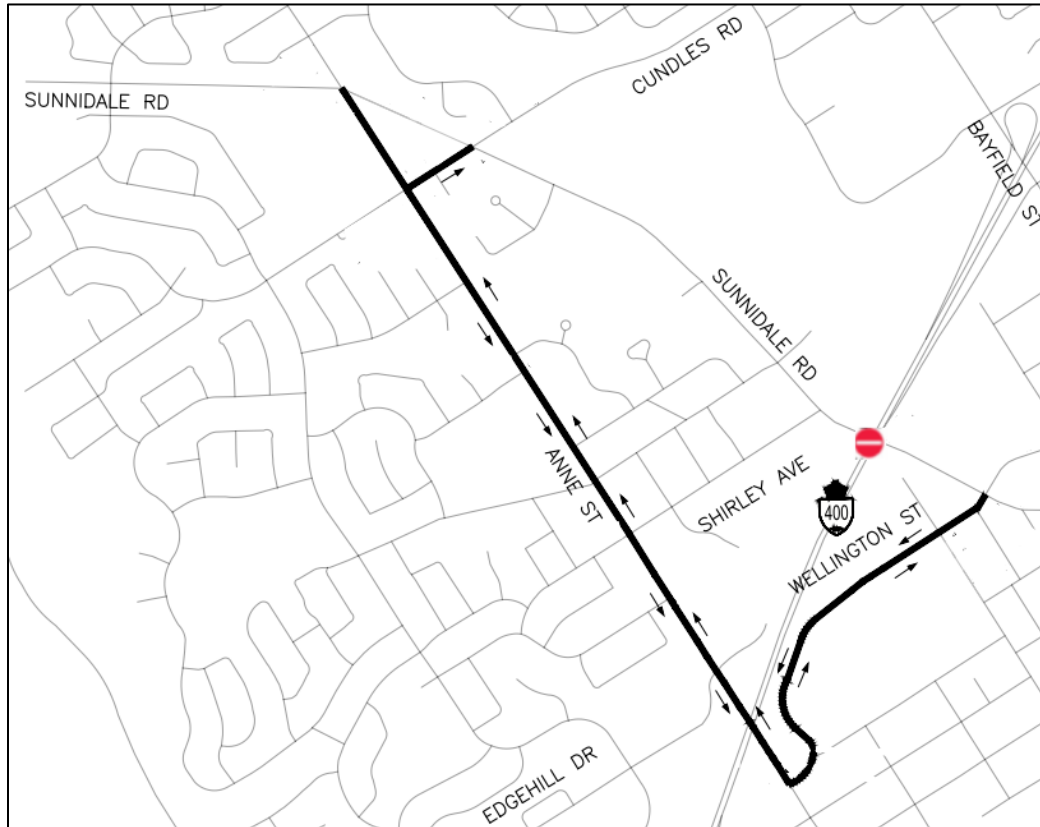
- **Erosion and Sedimentation will be controlled throughout construction**

- **Construction Noise**

- Night work is required to complete the project work. Equipment will be maintained in an operating condition that prevents unnecessary noise, including but not limited to non-defective muffler systems, properly secured components, and the lubrication of moving parts. The idling of equipment will be restricted to the minimum necessary to perform the specified work.



CONSTRUCTION STAGING



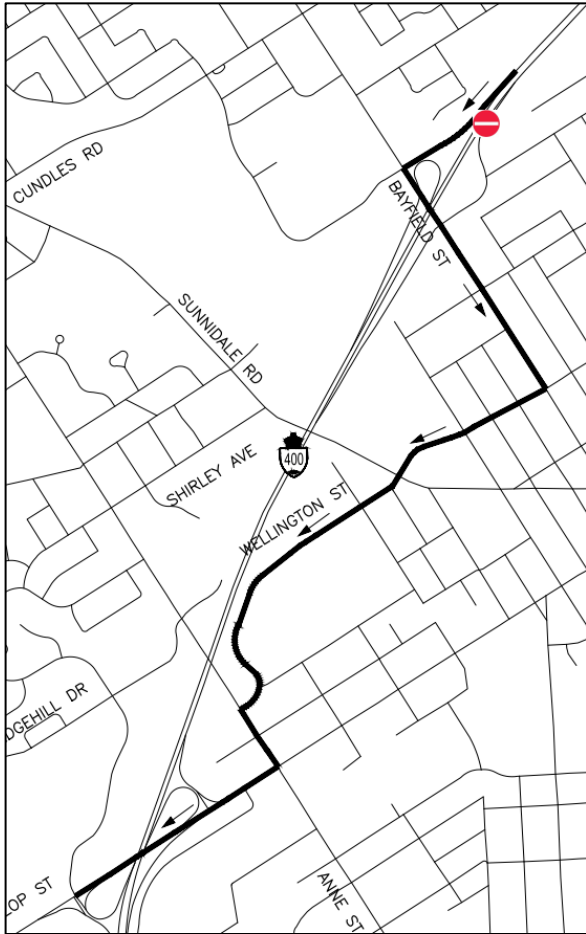
Sunnidale Road

Proposed construction staging to complete the Sunnidale Road structure replacement includes:

- Full closure of Sunnidale Road immediately east and west of the existing bridge during all stages of construction.
- A detour will be implemented east and west of the Sunnidale Road throughout construction.
- Construction is expected to last two (2) years.



CONSTRUCTION STAGING



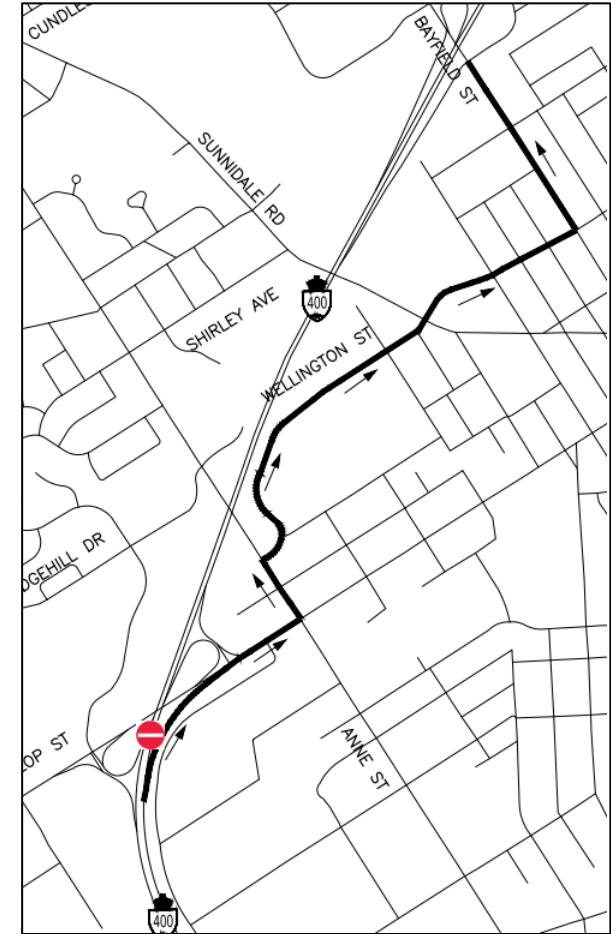
Southbound Traffic Detour

Highway 400

Highway 400 staging will be completed such that 6-lanes (3 per direction) will remain open at all times, excluding:

- One (1) nighttime full closure of Highway 400 at Sunnisdale Road to facilitate demolition of existing bridge.
- Off-peak (nightly) lane closures on Highway 400 to accommodate bridge construction.

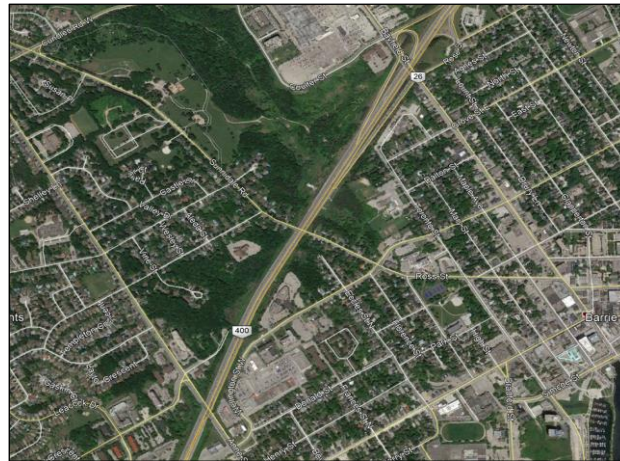
Highway 400 lane closures will be communicated with the public well in advance of the closures through the MTO's Information Messaging System and signage.



Northbound Traffic Detour

NEXT STEPS

Summer 2021	Respond to comments received on the Project Update
Summer/Fall 2021	Finalize Detail Design of the project works.
Fall 2021	Prepare a Design and Construction Report and submit for a 30-Day Public Review Period. Additional notification will be provided at that time.
Fall 2021	Advance utility relocations to begin
2023-2024	Construction of bridge replacement anticipated to begin*



*The timing of projects is subject to change based on funding, planning approvals, design, property acquisition and construction requirements.

For questions/comments or to be added to the Project Contact List please **Contact Us.**

 Web: <http://highway400dunlopannesunnidale.com>
 Email: highway400dunlopannesunnidale@mcintoshperry.com

Freedom of Information and Protection of Privacy Act

Comments and information regarding this study are being collected to satisfy the requirements of the *Environmental Assessment Act*, and in accordance with the *Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record.