




Hamilton

# INFORMATION REPORT

<b>TO:</b>	Chair and Members Public Works Committee
<b>COMMITTEE DATE:</b>	October 5, 2020
<b>SUBJECT/REPORT NO:</b>	Ministry of Transportation Project Update – Highway 403 Bridge Rehabilitation (PW20063) (City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
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<b>SUBMITTED BY:</b>	Edward Soldo Director, Transportation Operations & Maintenance Public Works Department
<b>SIGNATURE:</b>	

## COUNCIL DIRECTION

N/A

## INFORMATION

This report provides an update on the Highway 403 Old Guelph Road and Macklin Street Overpass Bridge Rehabilitation projects that the Ministry of Transportation (MTO) will be undertaking in 2021. The purpose of this project is to rehabilitate Highway 403 at the Macklin Street Overpass and the Old Guelph Road Overpass to extend its' service life.

### Project Location and Background

The Macklin Street Overpass and Old Guelph Road Overpass structures are located in the City of Hamilton, on Highway 403 over Macklin Street North and Old Guelph Road respectively. This project follows the approved planning process for Group 'C' projects under the Class Environmental Assessment for Provincial Transportation Facilities (2000).

The Highway 403/Macklin Street Overpass and the Highway 403/Old Guelph Road Overpass single span concrete rigid-frame structures were built in 1962. The structures

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OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

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underwent major bridge rehabilitation in 1994 to upgrade the barrier walls, approach slabs, illumination and waterproof/pave the bridge deck.

The bridge rehabilitations will include:

- Removal of existing asphalt and waterproofing;
- Removal of select deteriorating concrete in deck;
- Concrete patch repairs on deck, soffit, and fascia;
- Crack injection on barriers and abutment walls;
- Installation of new waterproofing and asphalt;
- Approximately 4 metres of concrete centre median will need to be replaced at Old Guelph Road due to significant deterioration; and
- Macklin Street underneath Highway 403 will be paved within MTO right-of-way.

All proposed works are within MTO property and no property impacts anticipated.

#### Traffic Staging and Lane Closures

The MTO has reviewed multiple construction staging and closure scenarios in order to reduce the traffic impacts. The preferred solution required that the deck rehabilitation including waterproof replacement and paving will be completed through a full closure of Highway 403 from the Highway 6 interchange to the King Street interchange.

Two full weekend closures, in both directions at the same time, will take place to complete the bridge rehabilitation, median repairs, barrier wall repair work. Traffic will be detoured through the Lincoln M. Alexander Parkway, Red Hill Valley Parkway, and the QEW.

Construction is anticipated to start in April of 2021, with a completion in November. The two full weekend closures will be coordinated with the City during the summer of 2021. The MTO and City will work to develop a robust communications plan to inform the public of the construction and detour.

#### **APPENDICES AND SCHEDULES ATTACHED**

Appendix “A” to Report PW20063 – Project Locations and Detour Route Map