




Hamilton

INFORMATION REPORT

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	April 4, 2022
SUBJECT/REPORT NO:	Ministry of Transportation Provincial Highway Projects Update (PW20063(a)) (City Wide)
WARD(S) AFFECTED:	City Wide
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SIGNATURE:	

COUNCIL DIRECTION

N/A

INFORMATION

Information Report PW20063(a) provides an update to Report PW20063 which was presented at the Public Works Committee in October of 2020 regarding significant Ministry of Transportation (MTO) capital projects that have a potential for traffic impacts on City of Hamilton (City) roadways as a result of planned temporary road closures in 2022/2023. In addition, it provides new information related to the Burlington Canal Lift Bridge deck replacement being undertaken by Public Works & Government Services Canada (PWGSC).

Highway 403 Bridge Rehabilitations:

The purpose of the MTO project is to rehabilitate Highway 403 at the Macklin Street overpass and the Old Guelph Road overpass to extend the service life of 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.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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The Highway 403 Macklin Street overpass and the Old Guelph Road overpass are single span concrete rigid-frame structures were built in 1962. MTO conducted previous rehabilitation work in 1994.

All planned works are within MTO property and no City property impacts are anticipated.

The planned MTO bridge rehabilitation work includes:

- Removal and replacement 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;
- Replacement of a 4 m section of concrete centre median on the Old Guelph Road structure; and
- Repaving of Macklin Street (underneath Highway 403) within the MTO right-of-way.

The MTO has reviewed multiple construction staging and closure scenarios, in coordination with the Transportation, Operations & Maintenance Division, in order to reduce the traffic impacts. The optimal solution requires that the work will be completed through a full closure of Highway 403 between the Highway 6 and the King Street interchanges (refer to Appendix “A” attached to Report PW20063(a)).

Two full weekend closures, one direction at a time, will utilized to complete the work and during the closures traffic will be detoured onto the Lincoln M. Alexander Parkway, Red Hill Valley Parkway, York Boulevard and Queen Elizabeth Way (QEW).

Construction is anticipated to start in June of 2022 and expected to be completed in August 2022. The two full weekend closures will be coordinated with the City and the MTO and City will develop a robust communications plan to inform the public of the construction, closure and detour.

Highway 403 Wilson Street to Jerseyville Road Pavement Rehabilitation:

This MTO project is to rehabilitate deteriorating pavement condition along Highway 403 from 0.9 km west of Jerseyville Road in Brant Country to Wilson Street in Hamilton

The planned MTO rehabilitation work includes:

- Pavement rehabilitation along Highway 403 for approximately 15 km;
- Pavement resurfacing of the Highway 403/52 Interchange ramps;
- Retrofitting of conventional street lighting to LED illumination at Wilson Street;
- Roadside safety improvements; and
- Pipe sub-drain installation under the Sunnyridge and Alberton Structures.

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All planned works are within MTO property and no City property impacts are anticipated.

Construction is anticipated to start in May 2022, with an expected duration of 90 work days. Work will be conducted at night through nightly single lane closures. Traffic will be reinstated to existing lane configurations for the daytime, after the completion of night shift work. Refer to Appendix “A” attached to Report PW20063(a) for project location and detour mapping.

QEW Burlington Skyway Bridge Southbound Lane:

The MTO project is to replace expansion joints at the south abutment of the QEW Skyway Bridge.

The MTO is expected to start construction in Summer/Fall 2022 and work is expected to last approximately three months. The construction will result in nightly southbound lane closure on the QEW and full closures on select weekends.

The MTO and City will develop a robust construction and detour communications plan to inform the public of the construction, closure and detour.

Burlington Canal Lift Bridge Deck Replacement:

This PWGSC project is to replace the existing lift bridge deck which has exceeded its lifespan.

Construction will be conducted during the winter when shipping is not active and expected to commence on January 1, 2023 until the end of March 2023. During construction, the bridge deck will be raised and pinned up in place, resulting in a closure of Eastport Drive.

PWGSC has engaged AECOM Canada Ltd. to design and plan the construction work, including a traffic management plan in consultation with the City and the City of Burlington.

The detour route planning is on-going and has not yet been finalized. However, a robust communications plan will be utilized to inform the public of the construction, closure and detour routing in advance of the start of work.

APPENDICES AND SCHEDULES ATTACHED

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