
TO: MAYOR J. LEHMAN AND MEMBERS OF COUNCIL

FROM: B. ARANIYASUNDARAN, P. ENG., PMP, DIRECTOR OF ENGINEERING

**NOTED: A. BOURRIE, RPP, GENERAL MANAGER OF INFRASTRUCTURE AND GROWTH
MANAGEMENT**

M. PROWSE, CHIEF ADMINISTRATIVE OFFICER

**RE: NEW CROSSING OF HIGHWAY 400 AT HARVIE ROAD AND BIG BAY POINT ROAD –
PROJECT UPDATE (T04-HAR – PN1363)**

DATE: SEPTEMBER 23, 2019

The following is an update on the progress to construct the new crossing over Highway 400 connecting Harvie Road and Big Bay Point Road:

- The project is on schedule and budget for substantial completion in 2020.
- The foundation for the bridge pier in the median of Highway 400 is under construction.
- Construction on the new abutment structures east of the highway has commenced.
- Aecon, the City's contractor for the project, is currently trucking in fill to the site to raise Big Bay Point Road and Fairview Road up to 11 meters in elevation and form what will be the approach to the bridge over the highway.
- Whiskey Creek has been diverted into the newly constructed 2.250 m tunnel under Highway 400. In addition, two new Whiskey Creek culverts have recently been completed. These are a 2.7 m x 1.5 m concrete box culvert crossing under Fairview Road and a 1.8 m circular culvert under Harvie Road.
- Retaining walls associated with the project are under construction and one location has been completed.
- The 250 mm sanitary sewers, within the project limits, have been completed and the 300 mm sanitary sewers are under construction.
- New watermain, both 400 mm and 500 mm in size, and associated valve chambers are under construction.
- The temporary 750 mm watermain is under construction.
- New storm sewers 300 mm, 450 mm, 600 mm, and 750 mm in size have been completed. The remaining storm sewers 375 mm and 1200 mm in size are under construction.

Next Steps

All reasonable efforts continue to be made to accelerate this project. The next steps are as follows:

- The median pier and the east and west abutments for the bridge will be completed this fall.
- The third Whiskey Creek culvert, a 1.8 m circular culvert under Harvie Road, will be completed this fall.
- The Fairview Drive and Big Bay Point Road closure is still scheduled to be reopened October 28, 2019.
- Negotiations continue for all outstanding property acquisitions.
- The legal agreement with MTO for cost sharing with the Ministry of Transportation (MTO) is in place. MTO has been invoiced for their portion of the design work.

Communications

- Additional information and updates to the community may be found on the City website under the "Road Ahead" page at www.barrie.ca/RoadAhead and then click on the Harvie Road / Big Bay Point Road / Crossing of Highway 400 project.

Risk Management

- Project risks are tracked on a monthly basis to ensure project risks are mitigated, avoided or accepted. Utility relocation timing risks are being minimized by coordinating with the contractor or having the contractor perform the work.
- City staff will continue to prioritize the Harvie Road Crossing of Highway 400 and work collaboratively with the MTO, other external agencies, community stakeholders and members of Council to ensure a successful outcome for this important project in an accelerated timeframe.
- There are uncertainties related to the final cost of property acquisition. This cost risk will be more accurately quantified as the expropriation process is finalized on the various properties.

Other Related Projects

Other City and/or MTO projects that are either underway or planned in the vicinity of the Harvie Road Crossing project include:

- Highway 400/Tiffin Street Bridge Construction:
 - In consultation and coordination with the MTO, the City's contractor is building the Harvie Road Crossing centre pier on Highway 400 in 2019 in a way that will not impact the MTO's Highway 400/Tiffin Street Bridge construction.
- Bayview Drive (Big Bay Point Road to Little Avenue) and Big Bay Point Road (Bayview Drive to Huronia Road) Detail Design:
 - The detailed design for this project is scheduled to be completed by Q3 2019.
- Bryne Drive (Essa Road to Caplan Avenue) Detail Design:
 - The 100% design for Bryne Drive between Caplan Avenue and Essa Road is expected by November 2019.
 - Discussions on right-of-way conveyance with Bell Media on Bryne Drive (north) have ended, without resolution. Discussions with SmartREIT on Bryne Drive (south) have occurred and City staff will continue to engage them with the aim of securing the required property for the roadway at minimal cost to the City.

If there are any additional questions on the Harvie Road Crossing project, please contact Stew Patterson at extension 4481, email Stew.Patterson@barrie.ca or Todd Comfort at extension 4458 or email Todd.Comfort@barrie.ca.