
TO: MAYOR J. LEHMAN AND MEMBERS OF COUNCIL

FROM: R. K. SUTTON, P. ENG., DIRECTOR OF ENGINEERING

NOTED: R. J. FORWARD, MBA, M.SC., P. ENG., 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
(FILE: T05-HAR)

DATE: JANUARY 8, 2018

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

- The complete design package for Part A of the Harvie Crossing contract that includes work on Harvie Road and Big Bay Point Road from Essa Road to Bayview Drive, paid by the City of Barrie, has been submitted to the City by the design consultant, Hatch, on December 18th, 2017 as scheduled. The general roadway cross section on Big Bay Point Road and Harvie Road immediately east and west of Highway 400 has been set at two (2) lanes in each direction with a continuous left turn lane, buffered bike lanes, and sidewalks on each side of the roadway.
- Hatch has completed the underground subsurface utility engineering (SUE) investigations to confirm utilities, and is coordinating with all utility companies to review their designs where the utilities require relocation.
- Utility corridors have been established in specific areas to permit future access for maintenance and to accommodate loading limits due to the height of fill on the bridge approaches. In some locations, additional property was required to accommodate the utility corridors and maintain operations of the existing utilities at all times. Hatch is working with all utility companies to identify additional conflict points and determine timeframes for utility relocations.
- All R-Plans have been deposited at the Land Registry Office for properties east of Highway 400. Barrie's Legal and Real Estate Services department has completed appraisals and sent Offers to Purchase to all owners on the east side, except the MTO. The MTO has initiated their internal process for confirming property disposal and securing an appraisal.
- R-Plans have been deposited for properties west of Highway 400 to Essa Road. Legal and Real Estate Services staff are preparing Offers to Purchase.
- Fieldwork for a Stage 4 archaeological assessment was completed in November 2017 on Fairview Road just north of Big Bay Point Road. The Huron Wendat Nation was present to monitor the fieldwork. The archaeological consultant is preparing the draft Stage 4 report which is to be provided to the City and Huron Wendat Nation at the end of February 2018.

- Part B of the Harvie Crossing contract will be the MTO work on Highway 400 that is paid for by the MTO. The MTO have advised that they intend to replace the Highway 400/Essa Road Bridge in 2021, immediately after the Harvie Crossing project is completed. The MTO has therefore reduced the scope of work associated with Part B of the contract by eliminating the rehabilitation of the existing Essa Road interchange ramps. This work will now be done with the Essa Road bridge reconstruction. The MTO carpool lot (southwest quadrant of Essa Road/Ardagh Road) paving currently remains in the Harvie Crossing project.

Risk Management

Project risks are tracked on a monthly basis to ensure project risks are mitigated, avoided, or accepted. Utility relocation timing, Species at Risk (SAR), property acquisition, and archaeological issues have been identified as potential risks to the schedule. Construction is still on schedule for substantial completion in 2020.

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 clicking on the Harvie Road/Big Bay Point Road/Crossing of Highway 400 project.

Next Steps

The next steps are as follows:

- All efforts are being made to accelerate this project.
- Continue to accelerate the property acquisition.
 - Initiate Offers to Purchase for properties west of Highway 400, and continue negotiations east of Highway 400.
 - Initiate expropriation east of Highway 400 in the event that negotiations are not successful.
 - The expropriation process is also expected to be initiated for properties west of Highway 400.
- Hatch is meeting with Ministry of Natural Resources and Forestry (MNRF) to review SAR permits required for the butternut trees and the bats.
- Finalize field assessments and environmental mitigation measures.
- Pending property acquisition and environmental approvals, a pre-clearing contract is planned for February and March of 2018 to advance utility relocations in the construction schedule.
- Continue design coordination with utilities, and develop a detailed schedule for utility relocation in advance of the construction of the highway crossing bridge structure and associated road works.
- Design drawings are being finalized with utilities. Utility relocations are to be ready to commence starting in the spring of 2018.
- Monthly meetings with the MTO will continue in 2018 to review progress.
- Discussions with MTO to co-ordinate construction with work for the bridge center pier on Highway 400 and the existing Tiffin Street/Highway 400 contract are ongoing.

- Utilizing the design submission received in December, prepare a Request for Tender package for the construction of the structure and associated works.

Other Related City Projects

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

- Transportation Improvements along Bryne Drive (Essa Road to Caplan Avenue):
 - The Notice of Completion of Phases 3 and 4 of the Class Environmental Assessment (EA) was advertised in October 2017. No Part II Order requests were received, so the Class EA was deemed complete. The 30% design for Bryne Drive between Caplan Avenue and Essa Road was reviewed by City staff in early December. The design consultant is modifying the design, and is scheduled to submit the 90% design in March 2018.
 - Discussions with Bell Media and SmartReit regarding City property needs and the future of their lands are ongoing.
- Highway 400/Tiffin Street Crossing:
 - The MTO have advised that the Highway 400/Tiffin Street project has been delayed by a year and will be completed in the fall of 2019. The MTO and the City have discussed access options to build the Harvie Crossing centre pier on Highway 400 in 2019 that will not impact the MTO's construction of the Tiffin Street bridge.
- Bayview Drive and Big Bay Point Road Detail Design:
 - In order to be included in the Harvie Crossing construction project, the accelerated intersection design of Bayview Drive and Big Bay Point Road was submitted on schedule on December 18, 2017.
 - The remaining detailed design for this project is included in the 2017 Business Plan as a two (2) year design, and is scheduled to be completed by the end of 2018.
- Essa Road between Anne Street and Bryne Drive:
 - Discussions will be conducted with the MTO to co-ordinate Essa Road design/construction with the MTO Essa Interchange project potentially slated for construction as early as 2021. The limits of the works are to be determined, but the City would be looking to include limits on Essa Road from Anne Street to Bryne Drive.

City staff will continue to prioritize the Harvie Road Crossing of Highway 400 and work collaboratively with affected property owners, the MTO, Lake Simcoe Region Conservation Authority, community stakeholders, and members of Council to ensure a successful outcome for this important project in an accelerated timeframe.

If there are any questions on the Harvie Road Crossing project, please contact Ralph Scheunemann at extension 4782 or email at Ralph.Scheunemann@barrie.ca; Stew Patterson at extension 4481 or email at Stew.Patterson@barrie.ca; or Todd Comfort at extension 4458 or email at Todd.Comfort@barrie.ca.