
TO: Mayor J. Lehman and Members of Council

FROM: S. Patterson, Manager of Design and Construction

NOTED: R. J. Forward, MBA, M.Sc., P. Eng., General Manager of Infrastructure & Growth Management
C. Ladd, Chief Administrative Officer

RE: New Crossing of Highway 400 at Harvie Road and Big Bay Point Road – Project Update (T05-HAR)

DATE: February 27, 2017

The purpose of this memo is to provide an update on the progress of the new crossing over Highway 400 connecting Harvie Road and Big Bay Point Road as follows:

- Site investigations for the structure abutments and median pier are nearing completion.
- Stage 3 archeological assessment report has been submitted to the First Nations and other stakeholders. The recommendation is to undertake a Stage 4 archeological assessment. The work is expected to be carried out in the spring of 2017 once ground conditions permit.
- The general roadway cross section has been set at 2 lanes in each direction with a continuous left turn lane, buffered bike lanes and sidewalks on each side of the roadway.
- The draft R-Plan for the north-west quadrant (Bell Media property) of the highway crossing has been submitted to the City. Legal and Real Estate Services has initiated a property appraisal for the widenings associated with this north-west quadrant and initiated discussions with Bell Media representatives. The remaining draft R-Plans for the other three quadrants of the crossing will be available by the end of February 2017.
- The design consultant, Hatch Corporation (Hatch), has conducted a risk workshop for the construction schedule and project costs and is finalizing the risk report.
- A utility coordinating meeting was conducted by Hatch on January 10, 2017. A subsequent utility meeting has been arranged for February 24, 2017. Hatch will work with all utility companies to identify conflict points and determine timeframes for utility relocations which are expected to start in the winter of 2018.
- The revised preliminary design report for the planning of the Harvie Road crossing and a possible future interchange was submitted on February 3, 2017 for City staff and Ministry of Transportation (MTO) review.
- Hatch is completing the 30% design drawings including plans and profiles and will submit the entire 30% design package by the end of February 2017.
- The MTO is still reviewing the draft cost sharing agreement for the work associated with the following items on and associated with Highway 400 from the Mapleview Drive to Essa Road. MTO has agreed to pay for the design and construction of the works noted below:
 - Highway 400 resurfacing, median barrier and drainage system; and
 - Pavement rehabilitation of the existing Essa Road interchange ramps and the MTO carpool lot (southwest quadrant of Essa Road/Ardagh Road).

Risk Management

The risk to the City in proceeding with the design of the Harvie Road Crossing project given that the MTO has not yet completed their TESR Update continues. MTO is continuing to indicate that there will be no alignment shift in the immediate vicinity of the Harvie Crossing, however until the TESR is completed this remains a project risk. The MTO have advised City staff that the PIC for the Highway 400 TESR will be held in February or March of 2017.

Project risks are tracked on a monthly basis to ensure project risks are mitigated, avoided or accepted. Utility relocation timing and archaeological issues have been identified as potential risks to the schedule. The project is still on schedule for design completion by the end of 2017.

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

Meet with the MTO in March 2017 to review the preliminary design report (includes the General Arrangement drawings, foundations report, geotechnical report and drainage design) and the highway crossing detailed design that has been completed to a 30% level.

Complete property appraisals and continue negotiations for property acquisition.

Continue coordination with utility companies to determine extent of any impacts on existing utilities as a result of the highway crossing and develop a detailed schedule for utility relocation in advance of the construction of the highway crossing bridge structure and associated road 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) and Harvie Road (Bryne Drive to Essa Road)
 - The project scope consists of completing a Schedule C (Phases 3 and 4) Class Environmental Assessment and detailed design for the preferred alternative design solution. The Start-up meeting for these roadway projects was held on January 30, 2017. The scheduled completion for the Class EA phase is summer of 2017 and detailed design in the winter 2018. The section on Harvie Road between Veterans Drive and Bryne Drive is being prioritized because that construction is anticipated to coincide with the Harvie Road Crossing project.
- Bayview Drive and Big Bay Point Road Transportation Improvements Municipal Class EA Phases 3 and 4
 - The City has issued the Notice of Completion for the Municipal Class EA and the Environmental Study Report is available for public review. The 30 day period for public/agency comments will expire on February 28, 2017. Detail design for these projects are included in the 2017 Business Plan and is to be completed by the end of 2018.
- Detail design for Essa Road between Anne Street and Bryne Drive
 - Phase 1 of these works, Essa Road between Fairview Road and Bryne Drive/Ardagh Road including improvements on to the interchange ramps, is proposed to be included in the construction contract for the Harvie Road Crossing.
 - Detailed design needs to be finalized to obtain MTO approval. The 2017 - 2021 Capital Plan has identified construction of this project in two phases; Phase 1 as noted above in 2019 and Phase 2 (Essa Road between Anne Street and Fairview Road) in 2020.

City staff will continue to prioritize the Harvie Road Crossing of Highway 400 and work collaboratively with 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 or Stew Patterson at extension 4481 or email Stew.Patterson@barrie.ca.