


TO: Mayor J. Lehman and Members of Council

FROM: J. Weston, M.A.Sc., P. Eng., PMP, Director of Engineering

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: July 21, 2016

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.

Second Quarter (Q2) 2016 Milestones

- The Request for Proposal (RFP) was issued to the two pre-qualified consultants (AECOM Canada Limited and Hatch Corporation) on April 8, 2016.
- The RFP closed on Friday May 13, 2016.
- Award to the successful respondent, Hatch Corporation, was made on June 30, 2016.

Scope changes

During development of the RFP, several scope changes were incorporated into the Harvie Crossing project to avoid delays:

- To avoid Constructor issues under the Ontario Health and Safety Act (construction projects need to be separated by both time and space) associated with the MTO Tiffin Bridge Replacement project, the City of Barrie has agreed to include the following scope of work on behalf of MTO under this assignment:
 - 1) Pavement rehabilitation from north of Maplevue Drive to north of Essa Road
 - 2) Median barrier replacement from north of Maplevue Drive to north of Essa Road
 - 3) Drainage investigations/upgrades including storm sewer/culvert replacements and extensions from north of Maplevue Drive to north of Essa Road
 - 4) Pavement rehabilitation of:
 - i) the ramps at Highway 400/Essa Road
 - ii) Essa Road from east of Ardagh Road to east of Fairview Avenue
 - iii) the carpool lot in the northwest quadrant of Essa Road/Ardagh Road
- Also to avoid Constructor issues associated with the MTO Tiffin Bridge Replacement project, the construction contract for the Essa Road Operational Improvements at Highway 400 project will be delayed and included with the Harvie Crossing construction contract. The City will work with the MTO and the consultant for the Essa Road improvements in an effort to advance specific aspects of the Essa Road improvements including the right turn lane onto Fairview Road.

Risk Management

There is a 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. The MTO has indicated 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 has advised that they are planning the second PIC for their TESR Update for Fall 2016.

Communications

The project website provides information and updates to the community and may be found by typing in www.barrie.ca/RoadAhead and then clicking on Harvie/Big Bay Point/Highway 400 Crossing.

Next Steps

The kick-off meeting with Hatch is scheduled for July 14, 2016.

The consultant will initiate the archeological work and environmental field investigations (aquatic, vegetative, wildlife/wildlife habitat), topographical surveys, and geotechnical investigations (foundations, pavement, soils) as soon as possible to avoid schedule delays. Furthermore, utility providers will be contacted to confirm presence within the project area, with data collected in advance of a subsurface utility engineering (SUE) exercise planned for late Summer/early Fall.

The consultant will initiate the preliminary design which will finalize the structure layout with respect to lanes arrangements and the spans over Highway 400. This will ensure the design is compatible with a future interchange at this crossing location.

Meetings will be held with MTO to acquire their approval for the general arrangement of the new structure.

Drainage and hydrology design will commence and the design consultant will work with the conservation authority to determine impacts and required mitigation measures in relation to construction, drainage and stormwater management.

A staff report will be submitted to Council in Fall 2016 to seek approval of a cost-sharing agreement with the MTO for their share of the design assignment and to request approval of funding for property acquisition.


Other City Projects

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

- Bryne Drive Class EA Phases 1 & 2 – The preferred alternative was approved by Council in May 2016.
- Bayview Drive and Big Bay Point Road Class EA Phases 3 & 4 – Public Information Centre was held on March 2, 2016 and the preferred alternative is being assessed. Staff recommendation to General Committee is anticipated in the Fall of 2016.
- Bryne Drive Class EA Phase 3 & 4, Updates to the Harvie Road Class EA (Bryne to Essa) and Essa Road Class EA (Coughlin to Maplevue) – Staff are in the process of retaining a consultant to complete this Class EA.

City staff will continue to prioritize this project and to work collaboratively with the MTO, LSRCA, community stakeholders and members of Council to ensure a successful outcome for this important project and to accelerate the schedule as much as possible.

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.



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