

TO: Mayor J. Lehman and Members of Council

FROM: S. Patterson, P. Eng., 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: Mapleview Drive East – Huronia Road to Country Lane – Lane Restrictions/Closures
(File: T05-2016-014T)

DATE: November 28, 2016

The purpose of this memo is to provide an update on lane restrictions/closures that are required to facilitate construction of the deep sanitary sewers and transmission watermain associated with the Mapleview Drive East – Huronia Road to Country Lane capital project as well as information on anticipated future closures.

Pending Closure of Mapleview Drive East at Huronia Road

The 1050 mm diameter trunk sanitary sewer currently being installed on Mapleview Drive East reaches depths of approximately 13 metres (42 feet) as it approaches the Huronia Road intersection. The sewer is being installed on the north side of the current temporary detour road. The proposed routing of the sewer crosses on a diagonal across Mapleview Drive and through an easement at the south-east corner of the Mapleview Drive East and Huronia Road intersection. Due to the depth of the sewer and maintaining a safe and suitable work zone for our contractor, it will not be possible to maintain open lanes of traffic on Mapleview Drive for up to two weeks. Our contractor is therefore proposing to work two 12 hour shifts per day and hopes to reopen Mapleview Drive as quickly as possible (could be within one week if no delays are encountered). This closure on Mapleview Drive East between Huronia Road and Country Lane/Stunden Lane is expected to commence December 5, 2016. Temporary asphalt will be placed once the closure is complete so there is hard surfacing on the roadway for the winter months.

There are a number of elements proposed to be completed on the closed segment of roadway by the contractor to take advantage of the closure as follows:

1. Completion of the deep 1050 mm diameter trunk sanitary sewer detailed above.
2. Additional 250 mm diameter sanitary sewer on Huronia Road to tie into as part of future Huronia Road works.
3. Completion of 750 mm diameter watermain that will also be constructed south on Huronia Road.
4. Sanitary services which cross Mapleview Drive.

The detour route to be utilized during the closure is along Yonge Street, Big Bay Point Road and Huronia Road as per the attached Traffic Control Plan (Figure 1).

Current Lane Restrictions

The current single lane restriction on Mapleview Drive, between Country Lane/Stunden Lane and the existing Lover's Creek culvert, and associated temporary signalization will remain in place until at least the end of December to allow time for construction of the new Lover's Creek culvert to be completed. The north half of the new Lover's Creek culvert is in place and work on the south half of the culvert is ongoing. When the south portion of the new culvert is complete, one lane of traffic in each direction will be implemented. The contractor is responsible for winter control of the temporary detour road, which includes sanding/salting and plowing. The contractor plans a winter shut down to occur in February/March depending on the severity of the winter weather.

Future Closures

Huronion Road - Due to the depth of the sanitary sewer and existing two lane cross-section of Huronia Road, Huronia Road between Maplevue Drive East to Saunders Road will be closed and restricted to local traffic only to install the trunk sanitary sewer. Access to local businesses entrances will still be maintained from either the north or the south along Huronia Road. Through traffic cannot be permitted through the moving full closure as the excavation and installation of the sanitary sewer is completed. This is planned to begin in March and continue to late May.

Maplevue Drive East - The removal of the existing Lover's Creek culvert is considered in-water work and cannot be undertaken until July 1, 2017 and after the new culverts are constructed and in operation. The removal of the culvert is expected to take three (3) days and discussion will be had to try to have work occur over a weekend.

Country Lane at Maplevue Drive East - The 750 mm diameter transmission watermain must be extended easterly along Maplevue Drive East to the east of Country Lane for extension to the east as part of other capital projects. This will require the closure of Country Lane at Maplevue Drive East for three (3) days in the spring of 2017.

As future closures approach, Engineering staff will provide more details on the individual closures by memorandum to General Committee and by direct communication to surrounding residential properties and businesses.

If there are any questions on the project, please contact Jeff Parent at extension 4362 or email at Jeff.Parent@barrie.ca or Stew Patterson at extension 4481 or email at Stew.Patterson@barrie.ca.



S. Patterson, P. Eng.
Manager of Design and Construction

Figure 1 – Traffic Control Plan for Mapleview Drive East Closure

