

COMMITTEE OF THE WHOLE – FEBRUARY 28, 2012

TEMPORARY ROAD CLOSURE HUNTINGTON ROAD BETWEEN RUTHERFORD ROAD AND TRADE VALLEY DRIVE TRUNK SANITARY SEWER AND WATERMAIN CONSTRUCTION WARD 2

Recommendation

The Commissioner of Engineering and Public Works recommends that the necessary by-law be enacted authorizing the temporary closure of Huntington Road between Rutherford Road and Trade Valley Drive from approximately March 12, 2012 to December 28, 2012 to facilitate the construction of a trunk sanitary sewer and watermain.

Economic Impact

There is no economic impact resulting from the adoption of this report. All costs associated with the proposed sanitary sewer works and the related road closure will be borne by Huntington Landowners Trustee Inc. The construction of the watermain on Huntington Road will be the responsibility of the developer of the Hunters Glen Subdivision.

Communications Plan

If the recommendation of this report is approved, a comprehensive communication plan will be implemented to inform all stakeholders of the proposed temporary closure of Huntington Road and related detour routes. This communication plan will include written notification of the road closure to the area property owners and stakeholders including emergency service providers (police, fire and ambulance), public school boards, and transit agencies. In addition, the proposed temporary road closure will be coordinated with both the Region of York and Region of Peel.

Access Vaughan will be provided with information regarding the closure and associated contact information in order to effectively respond to enquiries from the general public. The developer's contractor will be responsible for the installation and maintenance of all barricades and construction signage in order to provide pedestrian safety and local access around the construction area. The appropriately worded road side signage will be installed a minimum of two weeks prior to the road closure as a means of informing motorists of the pending road closure in accordance with the Ontario Traffic Manual, Book 7.

Access to three properties along this section of Huntington Road will be directly affected by the road closure. The owners of these properties will be contacted and arrangements made to ensure that local access is maintained at all times during the road closure period.

Purpose

The purpose of this report is to seek Council's approval to the temporary closure of Huntington Road between Rutherford Road and Trade Valley Drive to facilitate the construction of a deep trunk sanitary sewer and a local watermain.

Background – Analysis and Options

The western part of the West Vaughan Employment Area and a portion of the development in the Kleinburg/Nashville Community are proposed to be serviced by the northerly extension of the existing 750 mm diameter trunk sanitary sewer located on Huntington Road at Trade Valley Road as shown on Attachment No.1. This trunk sewer extension is being constructed in two phases.

The first phase, which extends from Rutherford Road to Major Mackenzie Drive, was constructed by Huntington Landowners Trustee Inc. in 2010. The Huntington Landowners group is now seeking approval to construct the second phase of the sewer project between Rutherford and Trade Valley Drive. The construction of this last segment of the sewer will complete the system and will initially provide an outlet for the planned development in Block 61 and the second phase of the Hunters Glen Industrial Subdivision in Block 64.

Construction Methodology and Schedule

Construction of the trunk sanitary sewer on Huntington Road is expected to begin on March 12, 2012 and take until the end of the year to complete, weather permitting. The trunk sewer extension will generally be located approximately 1.5 metres east of the existing center line of Huntington Road and have a depth ranging between 10 and 12 metres deep. Given the location and depth of the proposed trunk sanitary sewer, the size of the open cut excavation will, in many locations, extend the full width of the traveled roadway. Accordingly, it will be necessary to close the road to general traffic during the period of construction. The closure of the road will establish a safe work environment for the construction workers and will significantly shorten the construction time frame for the project. A shorter construction period will minimize the disruption to the immediate property owners and motorists. The watermain will be constructed immediately after the sanitary sewer has been installed.

Given the sewer will be constructed by way of open cut, the Huntington Landowners group will be required to provide full-time geotechnical inspection/testing to ensure suitability and compaction of the back-fill material. In addition, a more rigorous construction inspection program will be required on this project to ensure a high level of quality assurance and control. The new sewer commissioning standards, which are being recommended by the joint Regional and Municipal Water and Wastewater Task Force, will be applicable to this sewer work.

Following the sewer installation, Huntington Road will be restored to its existing rural road condition and will continue to operate on half road restriction. Ultimately, Huntington Road will be reconstructed to an urban standard to support the development of the surrounding industrial lands. The necessary Class Environmental Assessment will be undertaken by the City in the near term to establish the width and preferred design of the Huntington Road improvements.

Traffic Implications from the Closure of Huntington Road

Huntington Road between Rutherford and Trade Valley Drive is a two lane paved rural roadway. The existing traffic on the roadway ranges between 550 and 850 vehicles during peak travel periods. There are three private driveways along this section of Huntington Road which serve residential dwellings and a farm operation.

At the request of the City, the Huntington Landowners group retained the transportation engineering firm of Poulos and Chung to assess the impact on traffic as a result of the proposed temporary closure of Huntington Road. Poulos and Chung Limited submitted a traffic impact study on February 15, 2012 that concludes the following:

- The existing adjacent primary road network and existing traffic controls can satisfactorily accommodate all re-orientated Huntington Road traffic flows without any significant change to existing levels of service and operating conditions.
- The operation of the major intersections in the area will not be adversely impacted from the temporary closure of Huntington Road.
- Some motorists within the corridor will experience an increase in travel time due to the short term closure of Huntington Road.
- The proposed connection of Trade Valley Drive to Huntington Road will provide a convenient and direct detour route for some of the re-orientated traffic flows.

Accordingly, the short term closure of Huntington Road between Rutherford Road and Trade Valley Drive is not expected to negatively impact the area transportation system.

Road closure signage and barricades will be installed by the contractor at the intersections of Rutherford Road and Huntington Road and Huntington Road north of Trade Valley Drive along with the appropriate detour route information signage to the satisfaction of the City and the Region. During the road closure, emergency access will be maintained to the area at all times. Access to the existing properties along Huntington Road will be maintained during the construction period and every effort will be made to inform all affected residents as the work progresses to lessen and mitigate any construction related impacts.

Access to the existing Longos office/warehouse at the south-west corner of Huntington Road and Trade Valley Drive will be impacted by the road closure. Accordingly, to mitigate this situation, staff is requiring that Trade Valley Drive be extended to intersect with Huntington Road prior to commencing the sewer works. This extension of Trade Valley Drive will also function as an alternative route for local traffic between Highway 50 and Huntington and improve local access to the existing businesses in Block 64.

Servicing Agreement

Prior to the commencement of construction, the Huntington Landowners group (Huntington Landowners Trustee Inc.) will be required to amend their existing servicing agreement with the City to address matters related to the proposed sewer construction such as securities, insurance, fees, construction specifications, sewer commissioning standards and staging. In addition, all necessary permits and approvals must be in place before the contractor can proceed with the construction of the sanitary trunk sewer and watermain, including a permit from York Region to cross Rutherford Road and a permit from TRCA to cross the existing tributary of the Robinson Creek which is located just north of Trade Valley Drive.

Relationship to Vaughan Vision 2020

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in:

- Enhancing and ensuring Community Safety; and
- Planning and managing growth, and economic vitality.

This report is therefore consistent with the priorities previously set by Council.

Regional Implications

The temporary closure of Huntington Road is being coordinated with the York Region Roads Branch.

Conclusion

To facilitate the timely construction of the proposed trunk sanitary sewer and watermain on Huntington Road, it is recommended that Huntington Road between Rutherford Road and Trade Valley Drive be temporarily closed to through traffic from approximately March 12, 2012 to December 28, 2012. A comprehensive communication and traffic management plan will be implemented to inform all stakeholders of this temporary road closure.

Attachments

1. Attachment No. 1 – Location Plan

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Respectfully submitted,

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Commissioner of Engineering and Public Works

Andrew Pearce, C.E.T.
Director of Development/
Transportation Engineering




ATTACHMENT No. 1



TEMPORARY ROAD CLOSURE
HUNTINGTON ROAD FROM RUTHERFORD ROAD TO TRADE VALLEY DRIVE
TRUNK SANITARY SEWER AND WATERMAIN CONSTRUCTION

LOCATION: Lots 16 to 20, Concessions 9 and 10

LEGEND

-  EXISTING HUNTINGTON ROAD TRUNK SANITARY SEWER
-  PROPOSED HUNTINGTON ROAD TRUNK SANITARY SEWER
-  HUNTINGTON LANDOWNERS TRUSTEE INC.



NOT TO SCALE