

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 23, 2015

Item 3, Report No. 26, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on June 23, 2015.

**3 TEMPORARY ROAD CLOSURE FOR CONSTRUCTION PURPOSES
 MARC SANTI BOULEVARD – DUFFERIN STREET TO CRIMSON FOREST DRIVE
 CARRVILLE DISTRICT CENTRE – 19T-12V009
 WARD 4**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Public Works and the Director of Development Engineering and Infrastructure Planning Services, dated June 16, 2015:

Recommendation

The Commissioner of Public Works and the Director of Development Engineering and Infrastructure Planning Services, in consultation with the Director of Transportation Services and Parks & Forestry operations recommend:

1. That the necessary by-law be passed authorizing the temporary closure of Marc Santi Boulevard from Dufferin Street to Crimson Forest Drive to facilitate the timely construction of the municipal services associated with the Carrville District Centre residential subdivision, 19T-12V009 in Block 11, which is tentatively scheduled to occur between August 1, 2015 and August 31, 2015, inclusive.

Economic Impact

There are no immediate economic impacts resulting from the adoption of this report. All costs associated with the proposed servicing works and road closure will be borne by the developers of the Carrville District Centre Residential Subdivision.

Prior to the start of any construction on Marc Santi Boulevard, the developer will be required to enter into a subdivision agreement with the City and post the necessary financial securities.

Communications Plan

A comprehensive communication plan will be implemented to inform all stakeholders of the proposed temporary closure of Marc Santi Boulevard and related detour routes. This communication plan will include written notification of the road closure to the area property owners and stakeholders including emergency public service agencies (police, fire and ambulance) and the Region of York. There are no transit routes currently operating on Marc Santi Boulevard.

Access Vaughan will be provided with information regarding the closures and associated contact information in order to effectively respond to enquiries from the general public. The developer's contractor will be responsible for the traffic control plan which will ensure the installation and maintenance of all barricades and construction signage in order to provide pedestrian and cyclist 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 the public of the temporary road closure in accordance with the Ontario Traffic Manual, Book 7-Temporary Conditions.

Purpose

The purpose of this report is to seek Council's approval to the temporary closure of Marc Santi Boulevard from Dufferin Street to Crimson Forest Drive as shown on Attachment No.1 to facilitate

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the timely and efficient construction of the municipal services required to service the Carrville District Centre residential subdivision in Block 11.

Background – Analysis and Options

The first phase of the proposed Carrville District Centre development includes the creation of 39 residential lots fronting Marc Santi Boulevard in Block 11 as shown on Attachment No.2.

Installing service connections to the existing sewer mains on Marc Santi Boulevard will be challenging

To service the 39 proposed single family lots that front onto Marc Santi Boulevard will require the installation of new sanitary, storm and water service connections to existing mains on the street.

The sanitary and storm lines in this area are on either side of the centerline of the road and range in depth from 5.5 to 7.0 meters. The existing watermain is located across the street from the sites to be serviced so the installation of the new water & sewer connections require an excavation across the full width of the road. In addition, large excavating equipment will be needed to reach the depth of the sewers. This will mean that the excavators will be spanning across the full roadway and require extra space to load trucks with earth to be removed from the site. Accordingly, there will not be sufficient space remaining between the excavation and the edge of the road to support safe passage of vehicular traffic during work hours.

A temporary road closure will significantly reduce the construction period and disruption to the immediate community

Given the constructability issues noted above and the fact that there are no lots currently fronting onto this section of roadway, the developer has requested the City's permission to temporarily close Marc Santi Boulevard to facilitate the construction of the required municipal services. City staff has had several meetings with the developer to discuss alternatives to closing these roads. After exploring the available construction methods, processes and staging alternatives for this work, staff concur that a temporary road closure is the best option in this case.

The closure of the road will establish a safer 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 road users. Subject to the execution of the development agreement to construct municipal services, the anticipated start date is August 1st. The construction of the service connections on Marc Santi Boulevard are expected to take approximately 4 weeks to complete (August 1, to August 31), weather permitting. Following the installation of the services, the developer plans to reconstruct the full length of the disturbed roadway. After house construction is substantially completed, the developers will complete a full milling and repaving of the area affected in order to reinstate the road to its original condition.

Marc Santi Boulevard is a collector road with existing traffic volume approaching approximately 2100 vehicles per day

Marc Santi Boulevard is a collector road, which currently extends between Dufferin Street and Bathurst Street. Traffic volumes on the section of Marc Santi Boulevard between Dufferin Street and Crimson Forest Drive are currently approximately 2100 vehicles per day (1380 vehicles per day in 2011), which is relatively low for a collector road. It is anticipated that the traffic volumes will increase on Marc Santi Boulevard as the Carrville District Centre builds out.

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The developer retained the transportation consulting firm of Poulos and Chung to assess the impact of temporarily closing Marc Santi Boulevard to facilitate the planned construction work. In their report dated May 27, 2015, Poulos and Chung concluded the following:

- Approximately 2100 vehicles travel on the section of Marc Santi Boulevard between Dufferin Street and Crimson Forest Drive on a daily basis;
- The majority of the daily traffic occurs during the morning and afternoon rush hour periods;
- Local traffic represents a small percentage of the total daily traffic on Marc Santi Boulevard west of Crimson Forest Drive;
- The closure would occur in the summer when schools are closed and the internal and boundary traffic volumes are at their lowest;
- A few of the local residents living in the south end of Block 11 that wish to travel northbound on Dufferin Street may be slightly inconvenienced by having to take a longer detour route during the construction period;
- Based on the traffic analysis, the total amount of local traffic being diverted as result of the proposed closure of Marc Santi Boulevard can be satisfactorily accommodated by other road links in the network.

The impact on the overall transportation network resulting from the short term closure of Marc Santi Boulevard is expected to be minimal and can be managed

The proposed traffic management plan identifies Crimson Forest Drive as the primary detour route while Marc Santi Boulevard remains closed. Local traffic movement will be achievable both northbound and southbound on Crimson forest Drive and eastbound on Marc Santi Boulevard from Crimson Forest Drive to provide access to the Block 11 road network.

The consulting engineer will prepare a detailed traffic management plan for the temporary road closures to the satisfaction of the City and the Region. Road closure signage and barricades will be installed and maintained by the contractor along Marc Santi Boulevard as a means of notifying the public of the closure period together with the appropriate detour route information signage on Dufferin Street and Rutherford Road. The servicing works will be carried out in a timely manner to help mitigate traffic impacts resulting from this construction.

Relationship to Vaughan Vision 2020

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

- The pursue of excellence in service delivery;
- Enhancing and ensuring Community Safety;
- Promoting effective governance; and
- Planning and managing growth, and economic vitality.

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

Regional Implications

The proposed road closure & traffic management plan will be coordinated with York Region. There is no York Region Transit route on this segment of Marc Santi Boulevard.

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Conclusion

To facilitate the construction of the municipal services related to the Carrville District Centre Residential Subdivision Agreement, it is recommended that a by-law be passed to provide for the temporary closure of Marc Santi Boulevard from Dufferin Street to Crimson Forest Drive, which is tentatively scheduled to occur between August 1st and August 31st, 2015 inclusive.

A comprehensive communication plan will be implemented to inform all stakeholders of this temporary road closure as set out in this report. In addition, City Development Engineering staff will continue to monitor the construction of the servicing works to ensure the works are completed in an appropriate manner.

Attachments

1. Attachment No. 1 – Location Plan Road Closure on Marc Santi Boulevard
2. Attachment No. 2 – Work area on Marc Santi Boulevard

Report prepared by:

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(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)