

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 22, 2016

Item 4, Report No. 12, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on March 22, 2016.

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**ALL-WAY STOP CONTROL REVIEW
AUTUMN HILL BOULEVARD AND RIVINGTON AVENUE
WARD 4**

The Committee of the Whole recommends:

- 1) That the recommendation contained in the following report of the Deputy City Manager of Public Works and the Director of Transportation Services, Parks & Forestry Operations, dated March 1, 2016, be approved; and**
- 2) That York Regional Police be requested to enforce compliance of the all-way stop control at the intersection of Autumn Hill Boulevard and Rivington Avenue for two months.**

Recommendation

The Deputy City Manager of Public Works and the Director of Transportation Services, Parks & Forestry Operations recommend:

1. That Council enact a bylaw to install an all-way stop control at the intersection of Autumn Hill Boulevard and Rivington Avenue.

Contribution to Sustainability

Not applicable.

Economic Impact

The capital costs associated with the installation of the all-way stop signs is estimated to be \$500.00, and has been included in the approved 2016 Operating Budget. The on-going costs to maintain the signs and pavement markings (stop bars), is estimated to be \$150.00 per annum, and will be incorporated in future year Operating Budgets.

Communications Plan

Not Applicable.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Autumn Hill Boulevard and Rivington Avenue.

Background - Analysis and Options

A review of traffic activity at the intersection of Autumn Hill Boulevard and Rivington Avenue was conducted.

A review of the traffic activity at the intersection of Autumn Hill Boulevard and Rivington Avenue was conducted on December 8, 2015, to determine the feasibility of implementing an all-way stop control.

Autumn Hill Boulevard is a two-way, two-lane, east-west collector roadway with a 40 km/hr. speed limit, which connects Dufferin Street and Bathurst Street, midway between Hwy 7 and Rutherford Road.

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Rivington Avenue is a north-south local roadway connecting with Autumn Hill Boulevard forming a “T”-type intersection. The intersection is stop-controlled on Autumn Hill Boulevard. The south leg of the intersection is the driveway access for the parking lot to Stephen Lewis High School.

Adjacent traffic controls on Autumn Hill Boulevard are located approximately 150 metres east (all-way stop at Pleasant Ridge Avenue) and 360 metres west (Dufferin Street traffic signals), respectively.

A map of the area is provided in Attachment No.1.

The prevailing vehicular volumes at the intersection of Autumn Hill Boulevard and Rivington Avenue satisfy the minimum technical requirements for the Provincial Warrant for All-way Stop Controls.

A turning movement count was conducted on December 8, 2015, at the intersection of Autumn Hill Boulevard and Rivington Avenue. The study was conducted during the morning and afternoon peak periods of 7:00 a.m. to 9:00 a.m. and 3:00 p.m. to 6:00 p.m. Collision records and sightlines were also reviewed. The data collected was compared to the Provincial Warrant for All-way Stop Controls, with the following results:

| | | |
|--|-----------|------|
| •Warrant 1 – Minimum Vehicular Volumes | Warranted | 213% |
| •Warrant 2 – Accident Hazard | Warranted | 0% |

All-way stop controls are recommended when one of the above warrants are satisfied to 100 percent or more. As shown above, the existing Minimum Vehicular Volumes warrant is sufficient to justify the installation of all-way stop control at this intersection.

With reference to the Accident Hazard warrant, a review of York Regional Police collision records for the two-year period ending September 1, 2015 disclosed zero reported collisions at this intersection.

Sightline measurements indicate that there is sufficient visibility available for turning motorists to safely detect approaching traffic in all directions.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

In consideration of the strategic priorities related to the Term of Council Service Excellence Strategy Map (2014 – 2018), the recommended all-way stop will improve traffic flow for both drivers and pedestrians at the intersection, thus promoting community safety, health and wellness.

Regional Implications

Not Applicable.

Conclusion

It is recommended that an all-way stop control be installed at the intersection of Autumn Hill Boulevard and Rivington Avenue, based on Transportation Services, Parks and Forestry Operations staff's review.

Attachment

1. Location Map

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Report prepared by:

Vince Suppa, Traffic Engineering Specialist, Ext. 6112
Margie Chung, Manager Traffic Engineering, Ext. 6173

(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.)