

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF SEPTEMBER 25, 2012

Item 11, Report No. 33, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on September 25, 2012.

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**ALL-WAY STOP CONTROL REVIEW
LANGSTAFF ROAD AND GENTILE CIRCLE/WOODCROFT LANE
WARD 2**

The Committee of the Whole recommends that this matter be referred back to staff for further analysis in accordance with Communication C8, from the Commissioner of Engineering and Public Works, dated August 29, 2012.

Recommendation

The Commissioner of Engineering and Public Works recommends that:

Council enact a By-law to install an all-way stop control at the intersection of Langstaff Road and Gentile Circle/Woodcroft Lane.

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 2012 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

Engineering Services staff will advise area residents of the outcome of Council's decision in this matter.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Langstaff Road and Gentile Circle/Woodcroft Lane, in response to a request received from an area resident.

Background - Analysis and Options

Staff carried out a review of the traffic activity at the intersection of Langstaff Road and Gentile Circle/Woodcroft Lane.

Langstaff Road is a collector roadway with a 26.0 metre right-of-way and an 11.0 metre pavement width. Gentile Circle is an unassumed local roadway with a 17.5 metre right-of-way and an 8.0 metre pavement width. Woodcroft Lane is a local roadway with a 28.0 metre right-of-way and an 8.5 metre pavement width. The intersection of Langstaff Road and Gentile Circle/Woodcroft Lane is a four-leg intersection with the existing stop controls on Gentile Circle and Woodcroft Lane. It is noted that the land located on the north side of the intersection is currently under development.

There are sidewalks on both sides of Langstaff Road and the west side on Woodcroft Lane. The plan of subdivision (#19T-06V15) for Gentile Circle shows a proposed sidewalk along the west side of Gentile Circle. The area is shown in Attachment No.1.

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Staff conducted a turning movement count on July 10, 2012 at this intersection. The study was conducted during the peak traffic periods of 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. Staff also reviewed accident records for 2011 and sight lines at the approaches to the intersection. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

• Warrant 1 – Minimum Vehicular Volumes	Warranted	108%
• Warrant 2 – Accident Hazard	Warranted	0%
• Warrant 3 – Sight Restriction	Warranted	0%

All-way stop controls are recommended when one of the above warrants are satisfied to 100% or more. As shown above, existing traffic volumes exceed Warrant #1 requirements. There have been no recorded vehicle collisions at this intersection in 2011. To date, this is the latest collision data available from York Regional Police. There are no sight restrictions at this intersection. As the information above indicates, this intersection meets the minimum requirements of the Provincial Warrant for All-way Stop Control.

Staff has contacted the resident who supports the proposed all-way stop control. The proposed all-way stop would also benefit both vehicular and pedestrian movements in the area.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommended all-way stop will improve traffic flow for both drivers and pedestrians at the intersection, thus enhancing community design.

Regional Implications

Not Applicable.

Conclusion

It is recommended that an all-way stop control be installed at the intersection of Langstaff Road and Gentile Circle/Woodcroft Lane, as the minimum requirement of the Provincial Warrant for All-Way Stop Control is met.

Attachments

1. Location Map.

Report prepared by:

Wai Lam Tang, Senior Traffic Technologist, Ext. 8496
Lisa Lavery, Manager, Traffic Engineering, Ext. 8143

WT:mm

(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.)