

COMMITTEE OF THE WHOLE – DECEMBER 1, 2009

**CITYVIEW BOULEVARD AND SHELBOURNE DRIVE
ALL-WAY STOP CONTROL REVIEW
WARD 1**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That a by-law be enacted to install an all-way stop control at the intersection of Cityview Boulevard and Shelbourne Drive, as the Provincial All-way Stop Warrant is met.

Contribution to Sustainability

The installation of an all-way stop control at the intersection of Cityview Boulevard and Shelbourne Drive will promote and improve traffic flow and pedestrian movements in this area.

Economic Impact

The cost to install the all-way stop signs and pavement markings (stop bars) would be absorbed in the 2010 Operating Budget. The on-going costs to maintain the signs and pavement markings would be incorporated in future year Operating Budgets.

Communication Plan

Engineering Services staff will contact the resident on the outcome of Council's decision in this matter. The resident that sent in the request to staff has been advised that this report will be submitted to the December 1, 2009, Committee of the Whole meeting. York Regional Police have been contacted to provide speed enforcement on Cityview Boulevard.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Cityview Boulevard and Shelbourne Drive, in response to a request from a local resident.

Background - Analysis and Options

Engineering Services staff received a resident's request to review the traffic activity at the intersection of Cityview Boulevard and Shelbourne Drive. Cityview Boulevard is a primary roadway with a 23.0 metre right-of-way, and an 11.5 metre pavement width; and Shelbourne Drive is a local roadway with a 17.5 metre right-of-way with an 8.0 metre pavement width. The speed limit is a statutory 50 km/h on Cityview Boulevard and on Shelbourne Drive. The existing stop control is located on the west approach of Shelbourne Drive. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Wednesday, October 21, 2009, at the intersection of Cityview Boulevard and Shelbourne Drive during the morning and afternoon peak time periods of 7:00 am to 9:00 am, and 4:00 pm to 6:00 pm. The weather on this day was partly cloudy in AM and rain in PM. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

Warrant 1 – Minimum Vehicular Volumes	Warranted	147%
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. There have been no reported collisions at this intersection susceptible to prevention by implementing an all-way stop control. There are no sight distance restrictions at this intersection.

According to the results above, this intersection does meet the minimum requirements of the Provincial All-way Stop Warrant. Staff note that there is a high volume of eastbound left turns; the implementation of an all-way stop control will be beneficial to assist travel through this intersection.

There is a traffic signal proposed at this intersection that will be installed by the developer subject to Development Charge funding approval in the 2010 Capital Budget. With the winter months approaching, the installation and operation of the traffic signal would be anticipated in the Summer 2010. Due to the high traffic volume at the intersection, it would be beneficial to implement the all-way stop prior to the signal installation which will take place in the later part of 2010. Once the traffic signals are in operation, the All-Way Stop control will be removed.

Relationship to Vaughan Vision 2020/Strategic Plan

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

- Pursue Excellence in Service Delivery;
- Enhance and Ensure Community Safety, Health and Wellness ; and
- Lead and Promote to Environmental Sustainability.

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

Regional Implications

Not Applicable.

Conclusion

Based on Engineering Services staff's review, it is recommended that an all-way stop control be installed at the intersection of Cityview Boulevard and Shelbourne Drive, as the Provincial All-way Stop Warrant is met.

Attachments

1. Location Map

Report prepared by:

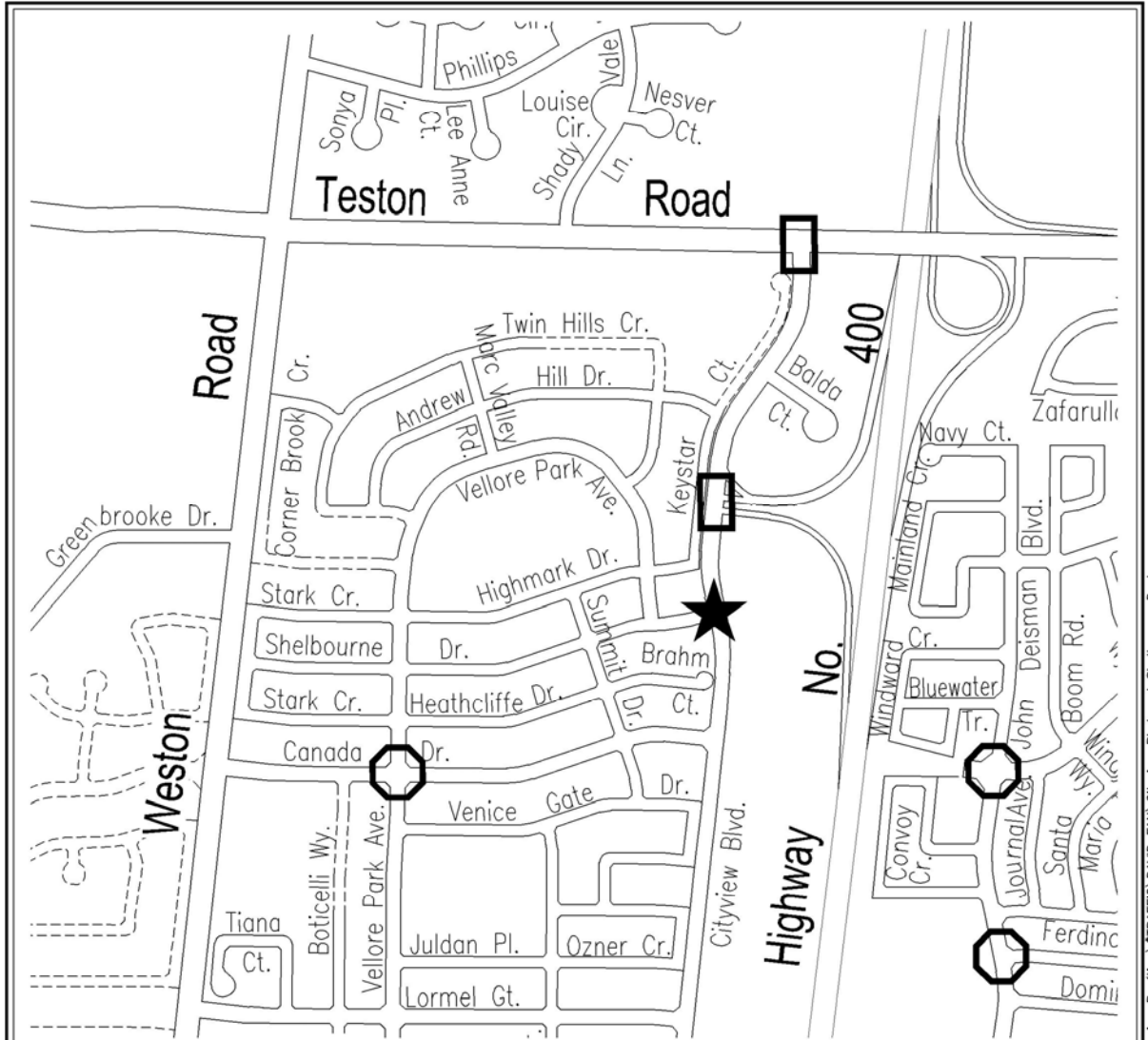
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Respectfully submitted,

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Commissioner of Engineering and Public Works
DF:mc




Jack Graziosi, P. Eng., M. Eng.
Director of Engineering Services

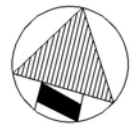
ATTACHMENT No. 1



CITYVIEW BOULEVARD AND SHELBOURNE DRIVE PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING TRAFFIC SIGNALS



NOT TO SCALE