

COMMITTEE OF THE WHOLE – SEPTEMBER 8, 2009

DAVOS ROAD AND VELLORE AVENUE ALL-WAY STOP CONTROL REVIEW WARD 3

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 Davos Road and Vellore Avenue, as the Provincial All-way Stop Warrant is met.

Contribution to Sustainability

The installation of an all-way stop control at the intersection of Davos Road and Vellore Avenue 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) will be an initial impact on the 2009 Operating Budget. There are sufficient funds allocated in the Operating Budget for this work. The on-going costs to maintain the signs and pavement markings would be incorporated in future Operating Budgets.

Communication Plan

Engineering Services staff will contact the residents on the outcome of Council's decision in this matter. The residents that sent a request to staff have been advised that this report will be submitted to the September 8, 2009 Committee of the Whole meeting. Staff has advised the Local Councillor that a report will be prepared to recommend an all-way stop control at this location. York Regional Police have been contacted to provide speed enforcement on Davos Road.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Davos Road and Vellore Avenue, in response to a request from local residents.

Background - Analysis and Options

Engineering Services staff received 3 requests from residents to review the traffic activity at the intersection of Davos Road and Vellore Avenue. Davos Road and Vellore Avenue are both primary roadways with a 23.0 metre right-of-way, and an 11.5 metre pavement width. The existing speed limit is a statutory 50 km/h on Davos Road and Vellore Avenue. The existing stop control is located on the north and south approaches of Vellore Avenue. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Wednesday, May 13, 2009, at the intersection of Davos Road and Vellore Avenue 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 throughout the day. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

- | | | |
|---|-----------|------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 104% |
| • 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.

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 Davos Road and Vellore Avenue, as the Provincial All-way Stop Warrant is met.

Attachments

1. Location Map

Report prepared by:

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 Mike Dokman, Supervisor Traffic Engineering, Ext. 3118

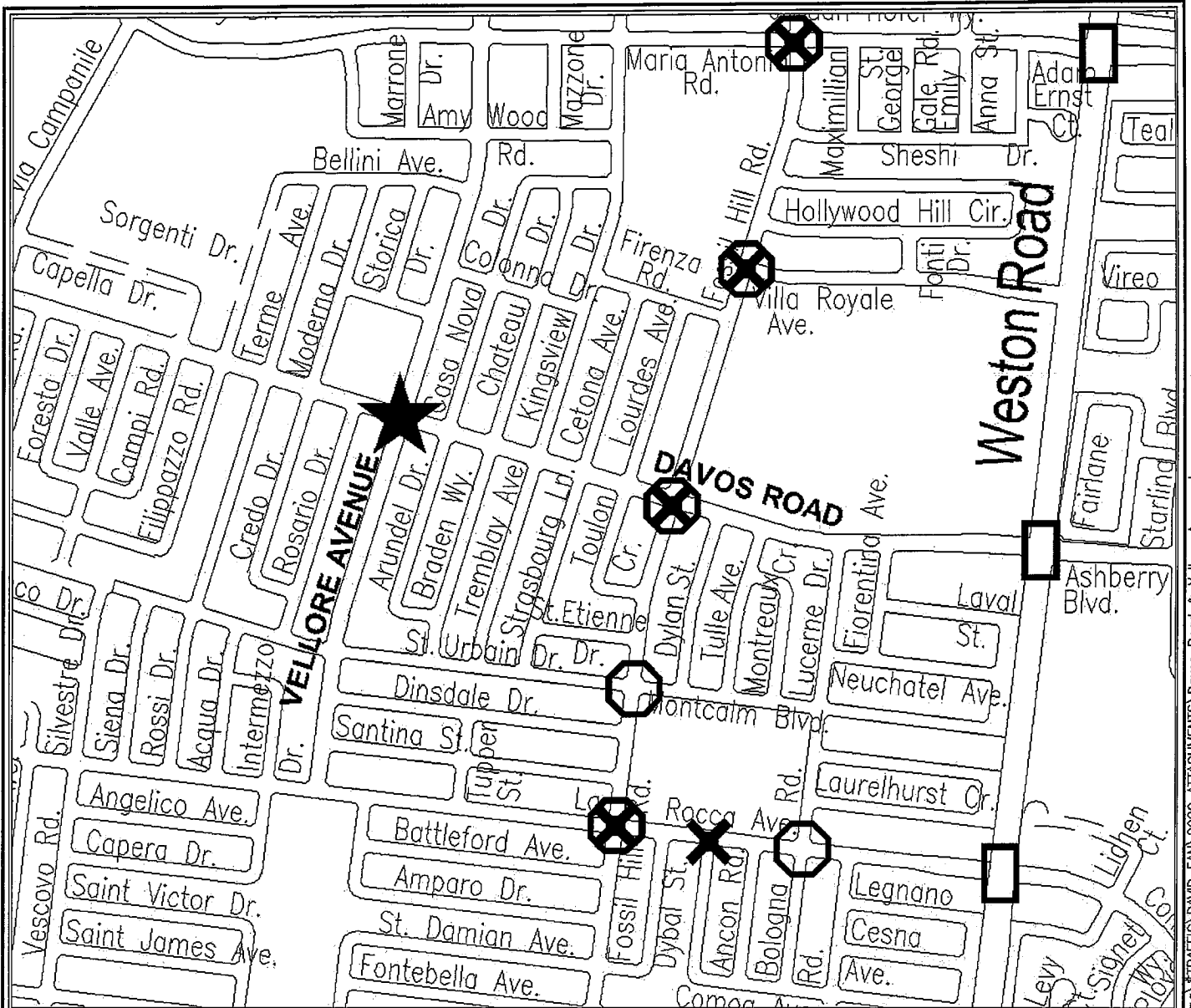
Respectfully submitted,

Bill Robinson, P. Eng.
 Commissioner of Engineering and Public Works

Jack Graziosi, P. Eng.
 Director of Engineering Services





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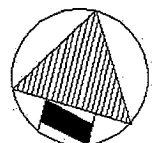
ATTACHMENT No. 1



DAVOS ROAD AND VELLORE AVENUE PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING CROSSING GUARDS
-  EXISTING TRAFFIC SIGNAL



NOT TO SCALE