

COMMITTEE OF THE WHOLE - DECEMBER 1, 2008

**FOSSIL HILL ROAD AND VILLA ROYALE AVENUE
PROPOSED ALL-WAY STOP CONTROL**

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 Fossil Hill Road and Villa Royale Avenue.

Economic Impact

The cost to install the stop signs and pavement markings (stop bars) would be an initial impact on the 2009 Operating Budget. There are sufficient funds being allocated in the Draft Budget for this work. The on-going costs to maintain the signs and pavement markings would be incorporated in future Operating Budgets.

Communications Plan

Engineering Services Staff will contact the resident with the direction from Council.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Fossil Hill Road and Villa Royale Avenue, in response to a request from an area resident.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of Fossil Hill Road and Villa Royale Avenue. Fossil Hill Road is a feeder roadway with a 23.0 metre right-of-way and an 11.5 metre pavement width and Villa Royale Avenue is a local roadway with a 20.0 metre right-of-way and a pavement width of 9.0 metres. The existing stop control is located on Villa Royale Avenue. The existing speed limit on both roadways is a statutory 50 km/h. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Thursday, September 25, 2008 at the intersection of Fossil Hill Road and Villa Royale Avenue. The times studied in the morning and afternoon peak time periods were 7:00 a.m. to 9:00 a.m., and 3:00 p.m. to 6:00 p.m. On the day of the traffic study the weather was clear and sunny. The data collected was compared to the Provincial Warrant for All-Way Stop Control with the following results:

- | | | | |
|---|---------------------------------------|-----------|------|
| • | Warrant 1 – Minimum Vehicular Volumes | Warranted | 100% |
| • | 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%. Existing traffic volumes fulfill 100% of the required 100%. There have been no reported vehicle collisions at this intersection susceptible to prevention by implementing an all-way stop control. There are no sight 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

Enhance and Ensure Community Safety, Health & Wellness – to advocate for, protect and enhance community safety, health and wellness through education, design and enforcement.

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

Regional Implications

Not Applicable.

Conclusion

Based on staff's review, it is recommended that an all-way stop control be installed at the intersection of Fossil Hill Road and Villa Royale Avenue.

Attachments

1. Location Map

Report prepared by:

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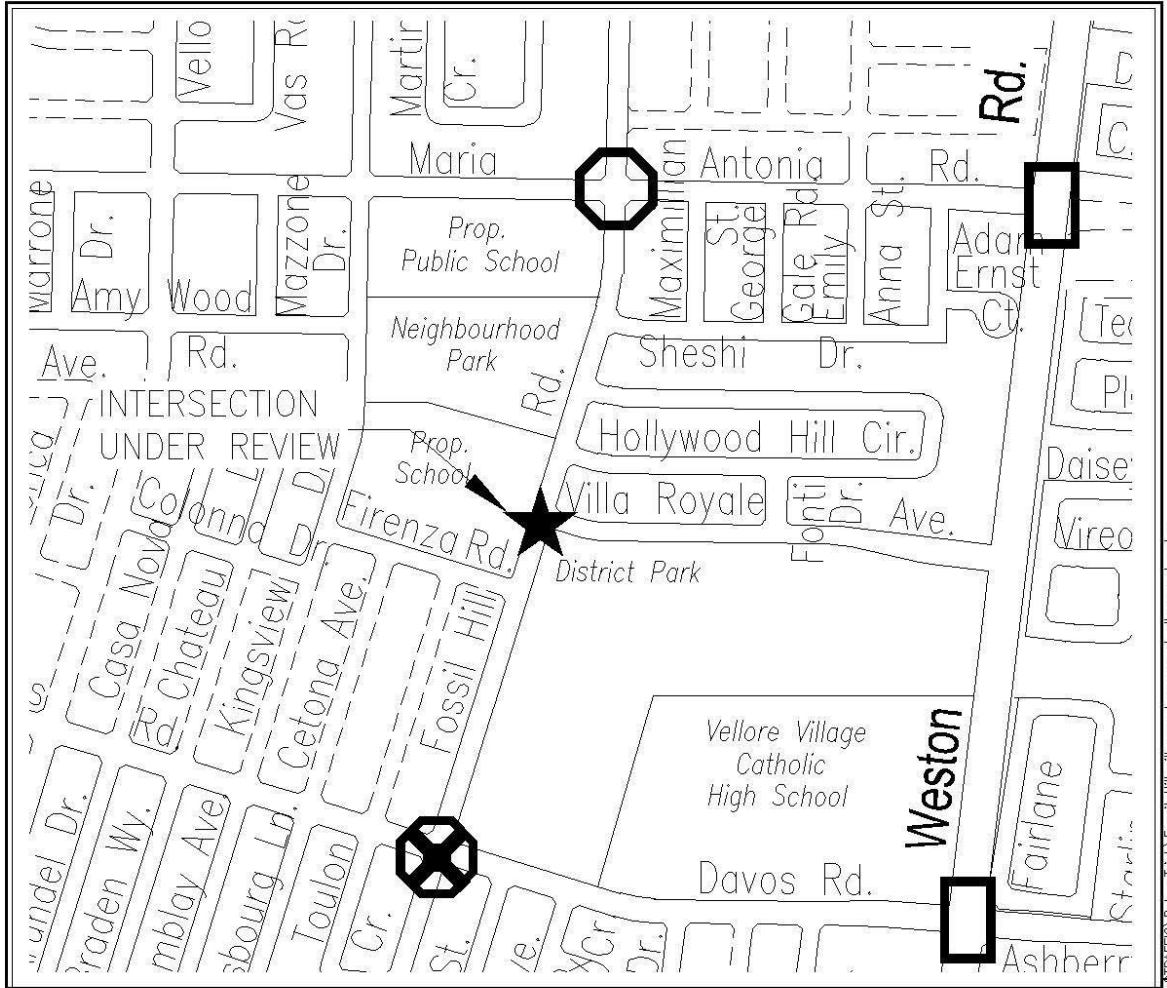
Respectfully submitted,

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

Mike Dokman, C.E.T.
Supervisor, Traffic Engineering





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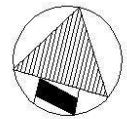
ATTACHMENT No. 1



FOSSIL HILL ROAD AND VILLA ROYAL AVENUE PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTIONS UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING SUPERVISED SCHOOL CROSSING
-  EXISTING ALL - WAY STOP CONTROL



NOT TO SCALE