

COMMITTEE OF THE WHOLE – DECEMBER 7, 2010

**PROPOSED ALL-WAY STOP CONTROL
VALERIA BOULEVARD AND BLOOMINGDALE LANE/FIFTH AVENUE
WARD 3**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Valeria Boulevard and Bloomingdale Lane/Fifth 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 Valeria Boulevard and Bloomingdale Lane/Fifth Avenue will promote and improve traffic flow and pedestrian movements in this area.

Economic Impact

Sufficient funding for installation of the all-way stop signs and pavement markings (stop bars) has been included in the draft 2011 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 residents on the outcome of Council's decision on this matter.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Valeria Boulevard and Bloomingdale Lane/Fifth Avenue, in response to requests from local residents.

Background - Analysis and Options

Engineering Services staff received a request from residents to review the traffic activity at the intersection of Valeria Boulevard and Bloomingdale Lane/Fifth Avenue. Valeria Boulevard has a 30.0 metre right-of-way with an 11.5 metre pavement width. Bloomingdale Lane and Fifth Avenue are feeder roadways with a 23.0 metre right-of-way with an 8.5 metre pavement width. The existing speed limit is 40 km/h on Valeria Boulevard, and Bloomingdale Lane and Fifth Avenue are statutory of 50 km/h limits. The existing stop controls are located on Fifth Avenue and Bloomingdale Lane. The area is shown in Attachment No.1.

Engineering Services staff conducted a turning movement count on Tuesday, October 5, 2010 at the intersection of Valeria Boulevard and Bloomingdale Lane/Fifth 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. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

Warrant 1 – Minimum Vehicular Volumes	Warranted	113%
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. There are no sight distance restrictions at this intersection.

According to the results above, this intersection does meet the minimum requirements of the Provincial Warrant for All-way Stop control.

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 Valeria Boulevard and Bloomingdale Lane/Fifth Avenue.

Attachments

1. Location Map

Report prepared by:

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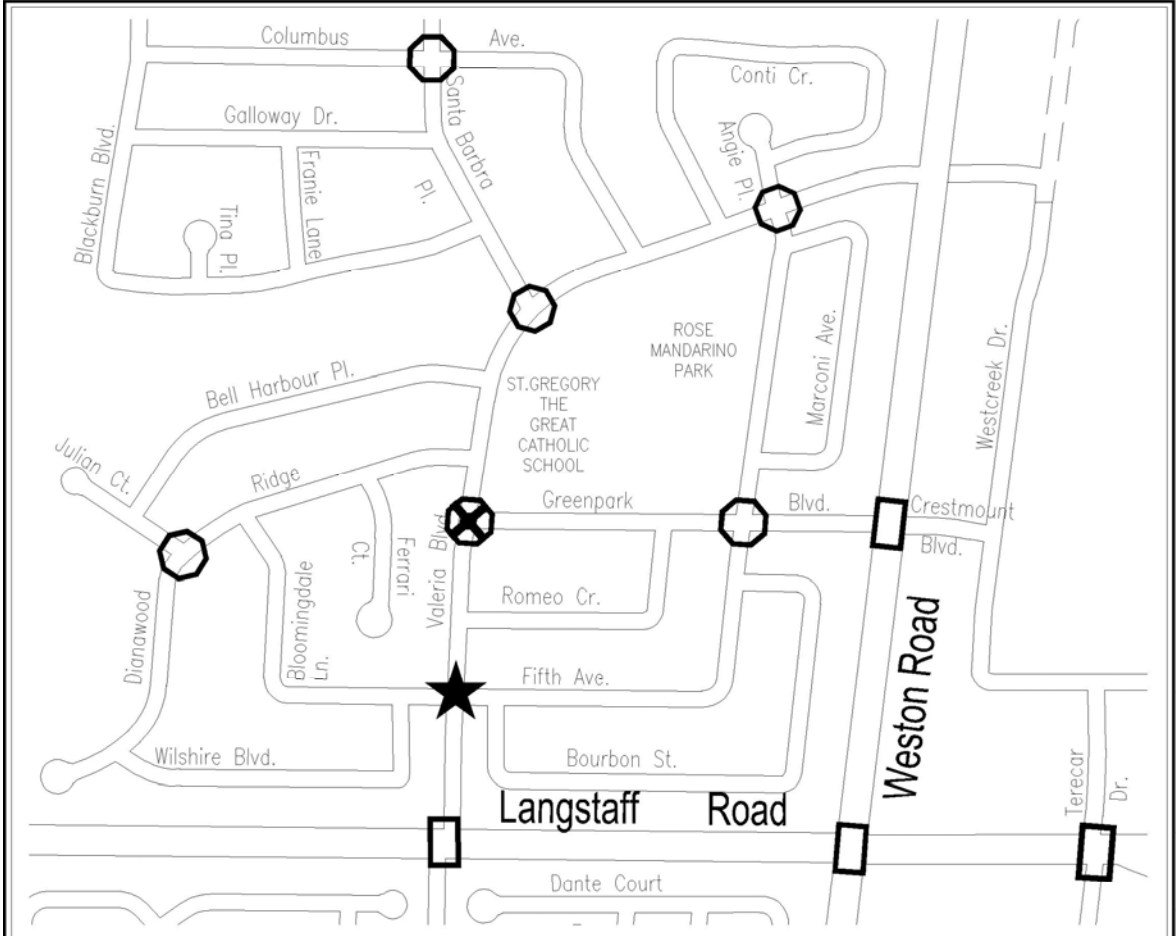
Respectfully submitted,

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

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





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ATTACHMENT No. 1



VALERIA BOULEVARD & BLOOMINGDALE LANE / FIFTH AVENUE PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SCHOOL CROSSING GUARD



NOT TO SCALE