

COMMITTEE OF THE WHOLE – JUNE 19, 2006

**NAPA VALLEY AVENUE AND CRISCIONE DRIVE/ST. PADRE PIO'S SCHOOL ACCESS
ALL-WAY STOP CONTROL REVIEW**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control be installed at the intersection of Napa Valley Avenue and Criscione Drive/St. Padre Pio's school access.

Economic Impact

The cost to install the all-way stop control signs and pavement markings will be an initial impact on the 2006 Operating Budget. The on-going costs to maintain the signs and pavement markings would be an impact to future Operating Budgets.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Napa Valley Avenue and Criscione Drive/St. Padre Pio's school access in the Woodbridge Expansion Area.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of Napa Valley Avenue and Criscione Drive/St. Padre Pio's school access. Napa Valley Avenue is a feeder roadway with a 23.0-meter right-of-way. Criscione Drive is a local roadway with a 17.5-metre right of way. The speed limit is 40 km/h on Napa Valley Avenue and 50 km/h on Criscione Drive. The area is shown in Attachment No.1.

A turning movement count was conducted on Tuesday, March 28, 2006 at the intersection of Napa Valley Avenue and Criscione Drive/St. Padre Pio's school access during the morning and afternoon peak time periods of 7:00 am to 9:00 am, and 3:00 pm to 6:00 pm. The weather on this day was sunny and clear. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

Warrant 1 – Minimum Vehicular Volumes	Warranted	90%
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 all-way stop control over the last twelve-month period, and there are no site restrictions at this intersection. According to the results above, this intersection does not meet the minimum requirements of the warrant.

Staff however believes it would be beneficial to install an all-way stop control at the intersection of Napa Valley Avenue and Criscione Drive/St. Padre Pio's school access. The warrant required 120 vehicles to cross the major roadway of Napa Valley Avenue from the minor roadway of Criscione Drive/St. Padre Pio's school access. Staff recorded 108 vehicles crossing Napa Valley Avenue from Criscione Drive and the school access, only 12 vehicles below the criteria in the All-Way Stop Warrant. Since the 12 vehicles to meet the warrant could be met at anytime and that it is a school access it would be beneficial to install the all-way stop control at this time.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to identify and implement innovative traffic management alternatives to improve general traffic safety (1.1.3).

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Conclusion

Based on staff's review, it is recommended that all-way stop control be installed at the intersection of Napa Valley Avenue and Criscione Drive/ St. Padre Pio's school access.

Attachments

1. Location Map

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Respectfully submitted,

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ATTACHMENT No. 1

