

COMMITTEE OF THE WHOLE – JANUARY 21, 2008

**APPLE BLOSSOM DRIVE AND CLOVIS STREET
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 Apple Blossom Drive and Clovis Street.

Economic Impact

There are sufficient funds in the draft 2008 Operating Budget for this work and future Operating Budgets would have sufficient funds for ongoing maintenance of the signs and markings.

Communication 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 Apple Blossom Drive and Clovis Street, 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 Apple Blossom Drive and Clovis Street. Apple Blossom Drive is a feeder roadway with a 23.0 metre right-of-way and 11.5 metre pavement width. Clovis Street is a local roadway with a 17.5 metre right-of-way and 8.0 metre pavement width. The existing speed limit on Apple Blossom Drive has recently been approved to be lowered to 40 km/h and Clovis Street is 50 km/h. The existing stop control is located on Clovis Street. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Wednesday, October 17, 2007 at the intersection of Apple Blossom Drive and Clovis Street 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 cloudy 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	95%
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 from January 2005 to January 2006, the last year for which collision data is available. There are no sight distance 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 Apple Blossom Drive and Clovis Street. The warrant requires 350 vehicles entering the intersection from all approaches. Staff recorded 332 vehicles at the intersection from all approaches, only 18 vehicles below the criteria in the All-Way Stop Warrant. Since the 18 vehicles to meet the warrant could be met at anytime, and due to the close vicinity of school,

continuing area development and the warrant increase from the previous study, it would be beneficial to install the all-way stop control at this time.

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 all-way stop control be installed at the intersection of Apple Blossom Drive and Clovis Street.

Attachments

1. Location Map

Report prepared by:

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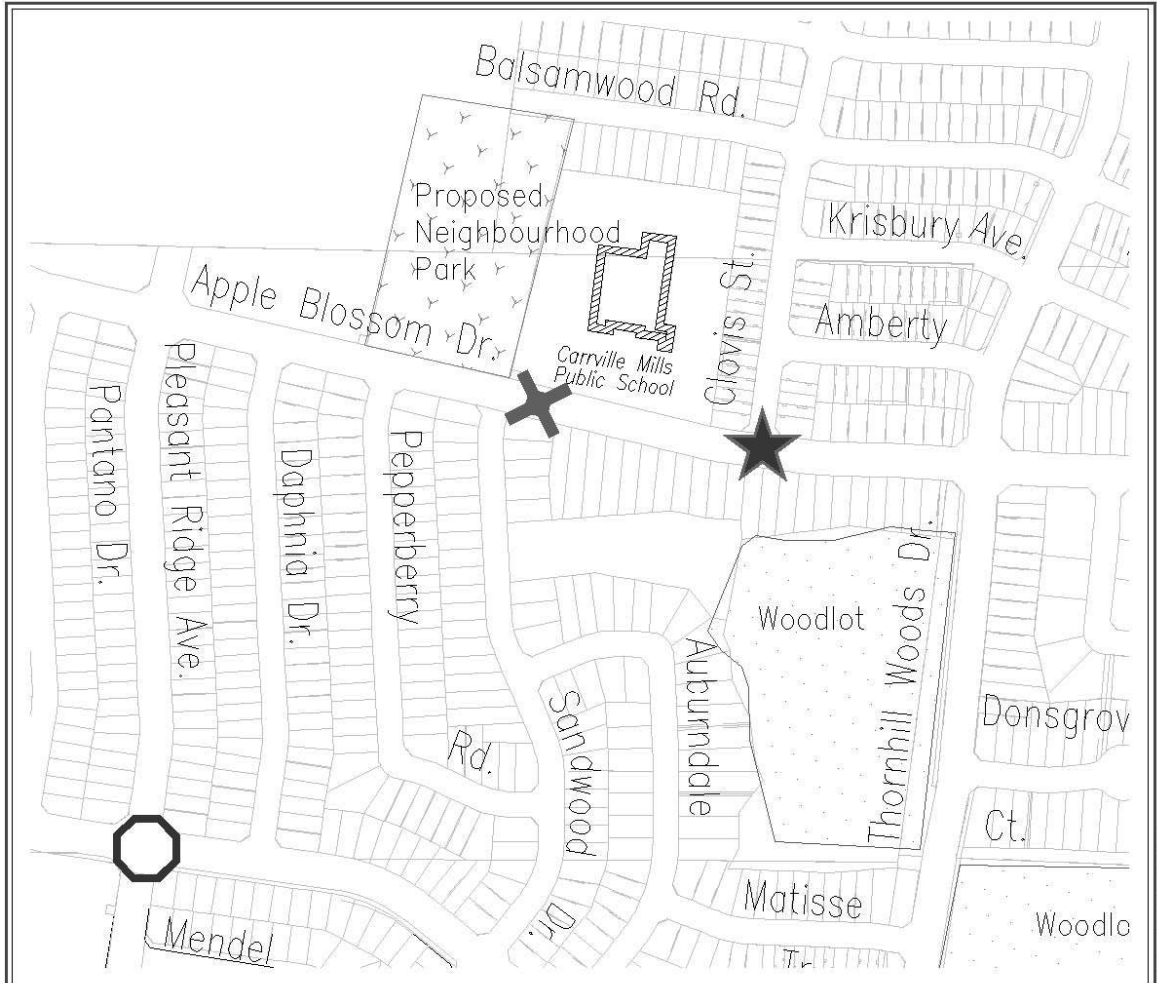
Respectfully submitted,

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

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




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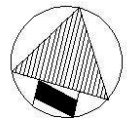
ATTACHMENT No. 1



APPLE BLOSSOM DRIVE & CLOVIS STREET PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SUPERVISED SCHOOL CROSSING



NOT TO SCALE

