

COMMITTEE OF THE WHOLE – DECEMBER 1, 2008

**CONFEDERATION PARKWAY AND STAFFERN DRIVE
ALL-WAY STOP CONTROL REVIEW**

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 Confederation Parkway and Staffern Drive.

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 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.

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 Confederation Parkway and Staffern Drive, in response to a request from a local resident.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of Confederation Parkway and Staffern Drive. Confederation Parkway and Staffern Drive are industrial roadways with a 23.0 metre right-of-way, and an 11.5 metre pavement width. The existing posted speed limit is 50 km/h on Confederation Parkway and Staffern Drive. The existing stop control is located on Staffern Drive. A channelized right turn lane is located on the east approach on Confederation Parkway. The development within close proximity of the intersection is Commercial/Industrial. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Tuesday, October 21, 2008 at the intersection of Confederation Parkway and Staffern Drive 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 rain and flurries. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

Warrant 1 – Minimum Vehicular Volumes	Warranted	268%
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

Enhance and Ensure Community Safety, Health and 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 Confederation Parkway and Staffern Drive.

Attachments

1. Location Map

Report prepared by:

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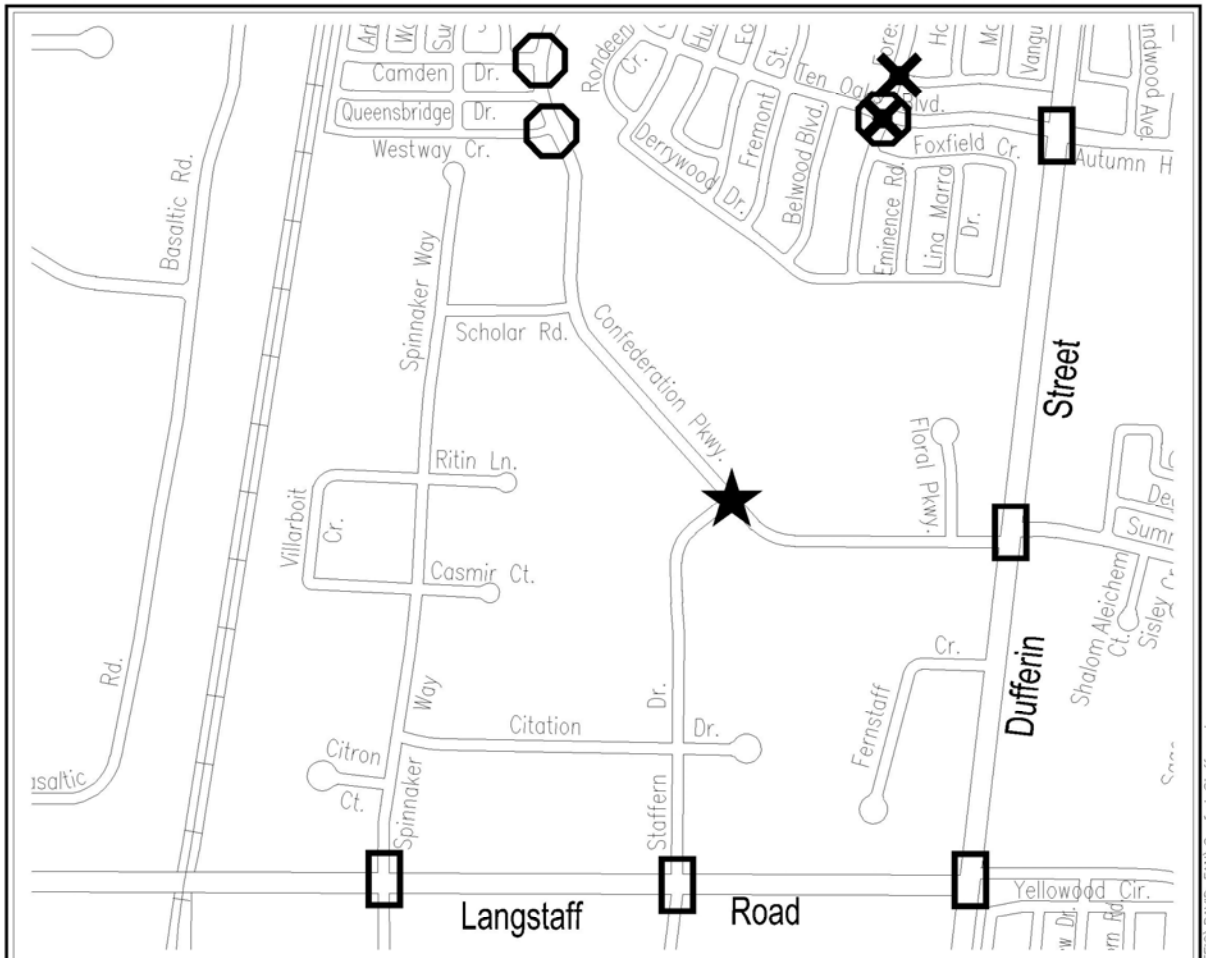
Respectfully submitted,

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

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





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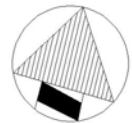
ATTACHMENT No. 1



CONFEDERATION PARKWAY & STAFFERN DRIVE PROPOSED ALL - WAY STOP CONTROL

LEGEND

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



NOT TO SCALE