

**COMMITTEE OF THE WHOLE – SEPTEMBER 15, 2008**

**TOWNSGATE DRIVE AND JACOB FISHER AVENUE  
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 Townsgate Drive and Jacob Fisher Avenue.

**Economic Impact**

The cost to install the all-way stop signs and pavement markings (stop bars) will be an initial impact on the 2008 Operating Budget. There are sufficient funds available 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 Townsgate Drive and Jacob Fisher Avenue, in response to a request from a local resident.

**Background - Analysis and Options**

A request was received from a local resident to review the traffic activity at the intersection of Townsgate Drive and Jacob Fisher Avenue. Townsgate Drive is a feeder roadway with a 23.0 metre right-of-way, and an 11.5 metre pavement width. The existing posted speed limit is 40 km/h on Townsgate Drive. Jacob Fisher Avenue is a local roadway with a 20.0 metre right-of-way and an 8.5 metre pavement width. The existing speed limit is a statutory 50 km/h on Jacob Fisher Avenue. The existing stop control is located on Jacob Fisher Avenue. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Tuesday, June 3, 2008 at the intersection of Townsgate Drive and Jacob Fisher Avenue 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	107%
Warrant 2 – Accident Hazard	Warranted	25%
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 has been 1 reported collision at this intersection susceptible to prevention by implementing all-way stop control from January 2005 to December 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 meet the minimum requirements of the Provincial 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 all-way stop controls be installed at the intersection of Townsgate Drive and Jacob Fisher Avenue.

### **Attachments**

1. Location Map

### **Report prepared by:**

David Fan, Traffic Analyst, Ext. 3109

Mike Dokman, Supervisor Traffic Engineering, Ext. 3118

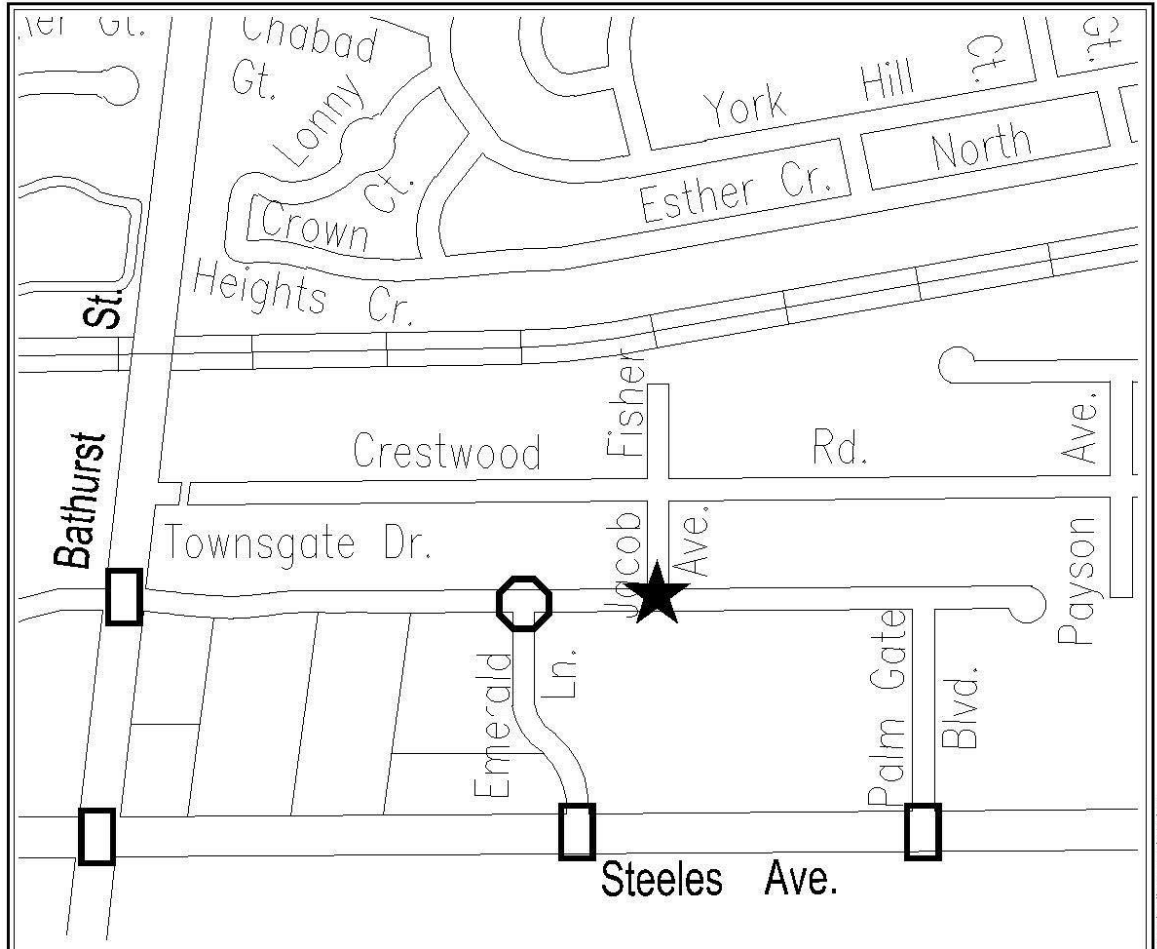
Respectfully submitted,

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

Debbie Korolnek, P.Eng.  
Director of Engineering Services




DF:mc

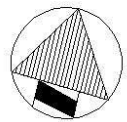
# ATTACHMENT No. 1



## TOWNSGATE DRIVE AND JACOB FISHER AVENUE PROPOSED ALL-WAY STOP CONTROL

### LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALLWAY STOP CONTROL



NOT TO SCALE