

COMMITTEE OF THE WHOLE – SEPTEMBER 4, 2007

**STRADA DRIVE AND TROWERS ROAD
PROPOSED ALL-WAY STOP CONTROL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control **be installed** at the intersection of Strada Drive and Trowers Road.

Economic Impact

The cost to install the stop signs and pavement markings would be an initial impact on the 2007 Operating Budget, and the costs to maintain the signs and pavement markings would have an impact to future Operating Budgets.

Communications Plan

Not Applicable.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Strada Drive and Trowers Road, in response to a request from an area business.

Background - Analysis and Options

A request has been received to review the traffic activity at the intersection of Strada Drive and Trowers Road. Strada Drive and Trowers Road are industrial roadways with a 23 metre right-of-way. The existing stop control is located on Strada Drive. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Thursday, June 14, 2007, at the intersection of Strada Drive and Trowers Road during the morning and afternoon peak time periods of 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. On the day of the traffic study the weather 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 | 100% |
| • | 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%. There have been no reported collisions from June 2005 through to June 2006 at this intersection susceptible to prevention by implementing all-way stop control. There are no sight restrictions at this intersection. According to the results above, this intersection meets the minimum requirements of the warrant.

Staff recommends that an all-way stop control be implemented at this intersection as the study results show the all-way stop control is warranted.

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.

Regional Implications

Not Applicable.

Conclusion

Based on staff's review, it is recommended that all-way stop control be installed at the intersection of Strada Drive and Trowers Road.

Attachments

1. Location Map

Report prepared by:

Mark Ranstoller, Senior Traffic Technologist, Ext. 3141
Mike Dokman, Supervisor Traffic Engineering, Ext. 3118

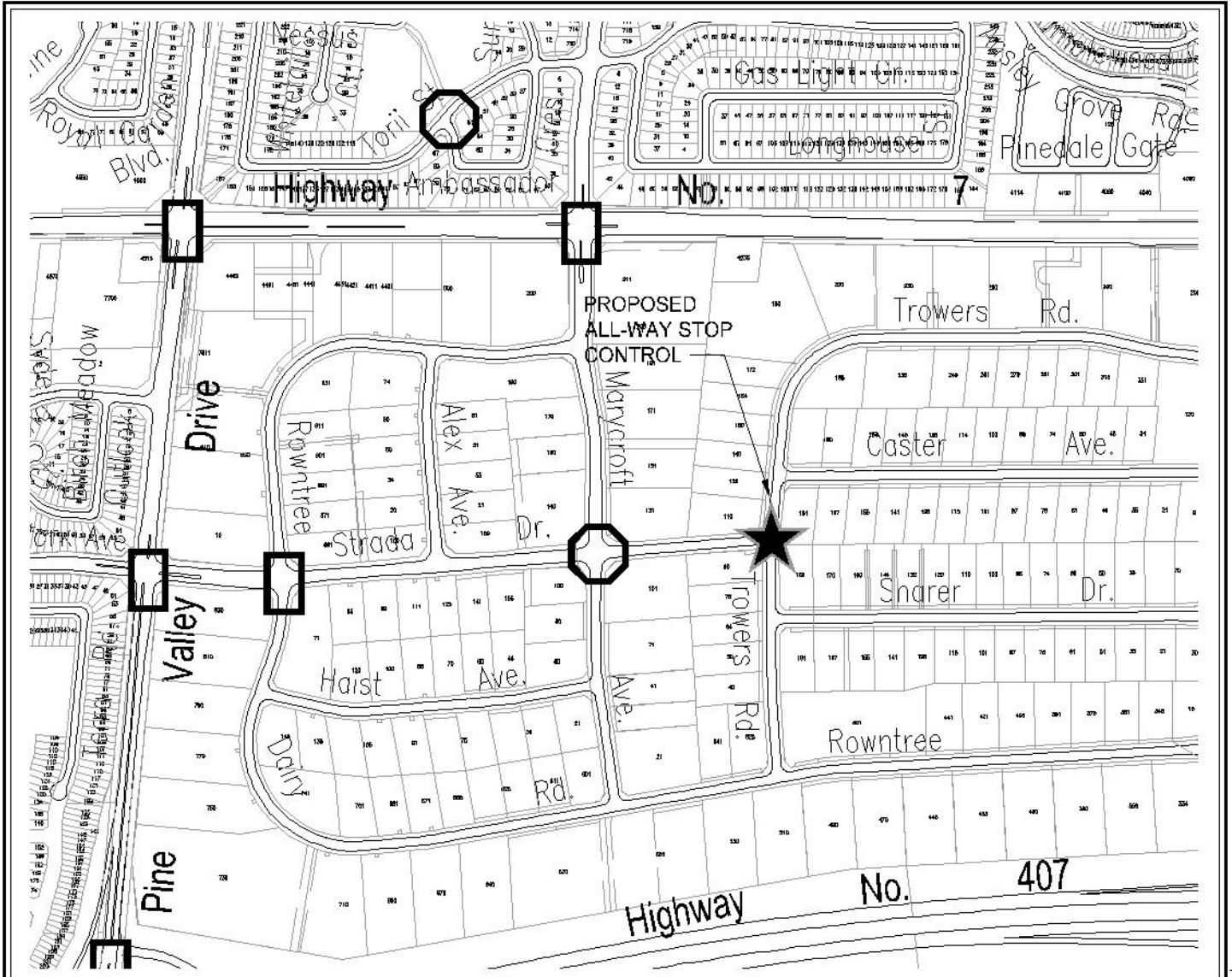
Respectfully submitted,

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

Gary P. Carroll, P. Eng.
Director of Engineering Services




MR:mc

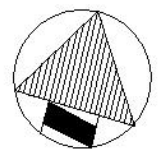
ATTACHMENT No. 1



STRADA DRIVE AND TROWERS ROAD PROPOSED ALL-WAY STOP

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL



NOT TO SCALE