

COMMITTEE OF THE WHOLE – DECEMBER 11, 2006

**STARLING BOULEVARD AND HAWSTONE 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 Starling Boulevard and Hawstone 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 markings would have an impact to future Operating Budgets.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Starling Boulevard and Hawstone Road, in response to several requests from local residents.

Background - Analysis and Options

Several requests have been received to review the traffic activity at the intersection of Starling Boulevard and Hawstone Road. Starling Boulevard is a feeder roadway with a 23.0 meter right-of-way. Hawstone Road is a feeder roadway with a 23.0 metre right of way. The speed limit is 50 km/h on Starling Boulevard and on Hawstone Road. The existing stop controls are located on Hawstone Road. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Tuesday, September 26, 2006 at the intersection of Starling Boulevard and Hawstone Road 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 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	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 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 believe it would be beneficial to install an all-way stop control at the intersection of Starling Boulevard and Hawstone Road. The warrant requires 350 vehicles to enter the intersection of Starling Boulevard and Hawstone Road from all approaches. Staff recorded 333 vehicles entering the intersection from all approaches, only 17 vehicles below the threshold criteria in the All-Way Stop Warrant. Since additional vehicles required to meet the warrant could occur at anytime 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.

Conclusion

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

Attachments

1. Location Map

Report prepared by:

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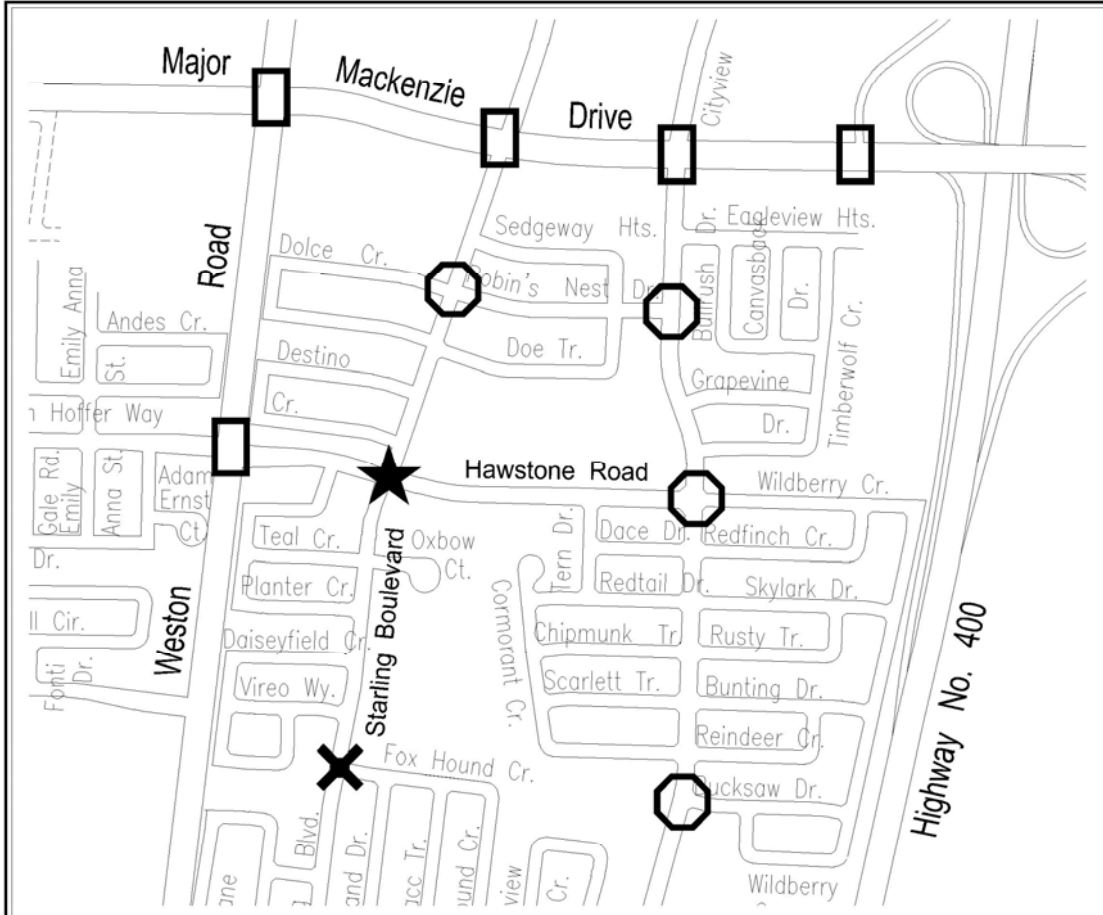
Respectfully submitted,

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

Gary Carroll, P. Eng.
Director of Engineering Services





LW:mc

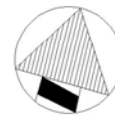
ATTACHMENT No. 1



STARLING BOULEVARD & HAWSTONE ROAD PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  PROPOSED ALL-WAY STOP CONTROL
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SCHOOL CROSSING GUARD



NOT TO SCALE

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