

COMMITTEE OF THE WHOLE – DECEMBER 11, 2006

**ISLINGTON AVENUE AND STEGMAN'S MILL ROAD
REQUEST FOR 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 Islington Avenue and Stegman's Mill Road.

Economic Impact

The cost to install stop signs and pavement markings will be an initial impact on the 2007 Operating Budget. The on-going 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 Islington Avenue and Stegman's Mill Road, in response to concerns raised by a resident.

Background - Analysis and Options

A request has been received from a resident requesting a review of the traffic activity at the intersection of Islington Avenue and Stegman's Mill Road; the existing stop control is located on Stegman's Mill Road. A turning movement count was conducted on Thursday, September 21, 2006, at the intersection of Islington Avenue and Stegman's Mill Road during the 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 an All-way Stop Control with the following results:

• Warrant 1 – Minimum Vehicular Volumes	Warranted	175%
• 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. Existing traffic volumes fulfill 100% of the requirements for Warrant 1. There have been no reported collisions at this intersection susceptible to prevention by an all-way stop control over the last twelve-month period. There are no sight distance restrictions at this intersection. Based on this review, an all-way stop control is recommended for the intersection of Islington Avenue and Stegman's Mill Road.

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 safety (1.1.3).

This report is consistent with the priorities previously set by Council.

Conclusion

Based on this review, it is recommended that an all-way stop control be installed at the intersection of Islington Avenue and Stegman's Mill Road.

Attachments

1. Location Map.

Report prepared by:

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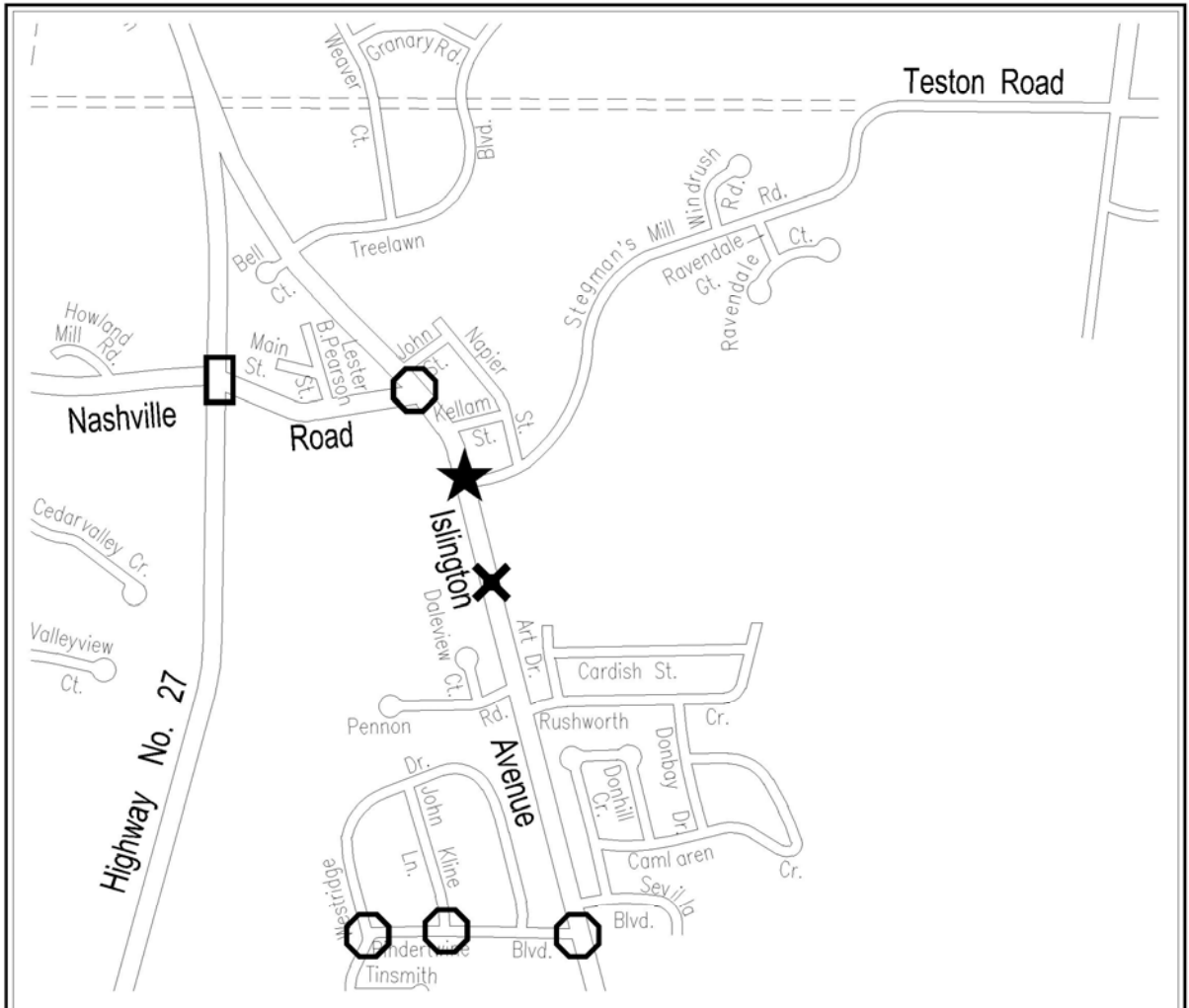
Respectfully submitted,

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

Gary Carroll, P. Eng.
Director of Engineering Services





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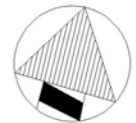
ATTACHMENT No. 1



ISLINGTON AVENUE at STEGMAN'S MILL 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