

COMMITTEE OF THE WHOLE – OCTOBER 18, 2004

THORNHILL WOODS DRIVE AND AUTUMN HILL BOULEVARD PROPOSED ALL-WAY STOP CONTROL

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an allway stop control be installed at the intersection of Thornhill Woods Drive and Autumn Hill Boulevard.

Purpose

To review the feasibility of implementing an allway stop control at the intersection of Thornhill Woods Drive and Autumn Hill Boulevard, in response to requests received from area residents.

Background - Analysis and Options

Thornhill Woods Drive and Autumn Hill Boulevard are mid block collector roads with statutory speed limits of 50 km/h. Existing stop sign controls are located on Autumn Hill Boulevard at Thornhill Woods Drive. The area is shown on Attachment No. 1.

Residents have expressed concerns regarding high traffic volumes at the intersection, citing the lack of an all-way stop control and overall safety in the area.

Engineering Services staff conducted a turning movement count on September 14, 2004 during peak travel periods at this intersection. The times that the counts were conducted were from 7:00am to 9:00am and from 4:00pm to 6:00pm. The collected traffic volumes compared to the Provincial Warrant for All-way Stop Control are as shown below.

- | | |
|---|----------------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted 175% |
| • Warrant 2 – Accident Hazard | Warranted 75% |
| • Warrant 3 – Sight Restriction | Warranted 0% |

For an all-way stop control to be warranted, one or more of the 3 warrants must be satisfied 100% or more. The results of the turning movement counts meet the requirements of the Provincial Warrant for All-Way Stop Control. The above results reflect the highest peak traffic hour at this intersection.

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 and the necessary resources have been allocated and approved.

Conclusion

Based on staff's review, it is recommended that an allway stop control be installed at the intersection of Thornhill Woods Drive and Autumn Hill Boulevard.

Attachments

1. Location Map

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Respectfully submitted,

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ATTACHMENT No. 1

