

COMMITTEE OF THE WHOLE – SEPTEMBER 02, 2008

**THORNHILL WOODS DRIVE / APPLE BLOSSOM DRIVE
ALL-WAY STOP CONTROL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That the appropriate by-law be approved to formalize the existing all-way stop control at the intersection of Thornhill Woods Drive / Apple Blossom Drive as the Provincial All-Way Stop Warrant is met.

Economic Impact

The costs to maintain the signs and pavement markings would have an impact to future Operating Budgets.

Communications Plan

None.

Purpose

To review the existing all-way stop control at the intersection of Thornhill Woods Drive and Apple Blossom Drive.

Background - Analysis and Options

City Staff recently became aware that the developer had installed an all-way stop control at the intersection of Thornhill Woods Drive and Apple Blossom Drive, as shown in Attachment No. 1, without first establishing the traffic warrant and amending the Traffic By-Law.

In order to determine the status of the all-way stop, a turning movement count was conducted on Wednesday, May 7, 2008 at the intersection of Thornhill Woods Drive and Apple Blossom Drive. The times studied in the morning and afternoon peak time periods were 7:00 a.m. to 9:00 a.m., and 4:00 p.m. to 6:00 p.m. The data collected was compared to the Provincial Warrant for All-Way Stop Control with the following results:

- | | | | |
|---|---------------------------------------|-----------|------|
| • | Warrant 1 – Minimum Vehicular Volumes | Warranted | 133% |
| • | 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. As noted above, there have been no reported collisions at this intersection susceptible to prevention by implementing all-way stop control nor are there any sight restrictions. Based on the existing traffic volumes, however, all-way stop controls are warranted. Accordingly, it is appropriate to amend the Traffic By-Law to formalize the all-way stop control at this intersection.

Relationship to Vaughan Vision 2007

This report and associated traffic study are consistent with Vaughan Vision 2007 as they 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 the results of a recent traffic count, it is recommended that the existing all-way stop control at the intersection of Thornhill Woods Drive and Apple Blossom Drive be maintained, as the Provincial All-Way Stop Warrant is met.

Attachments

1. Location Map

Report prepared by:

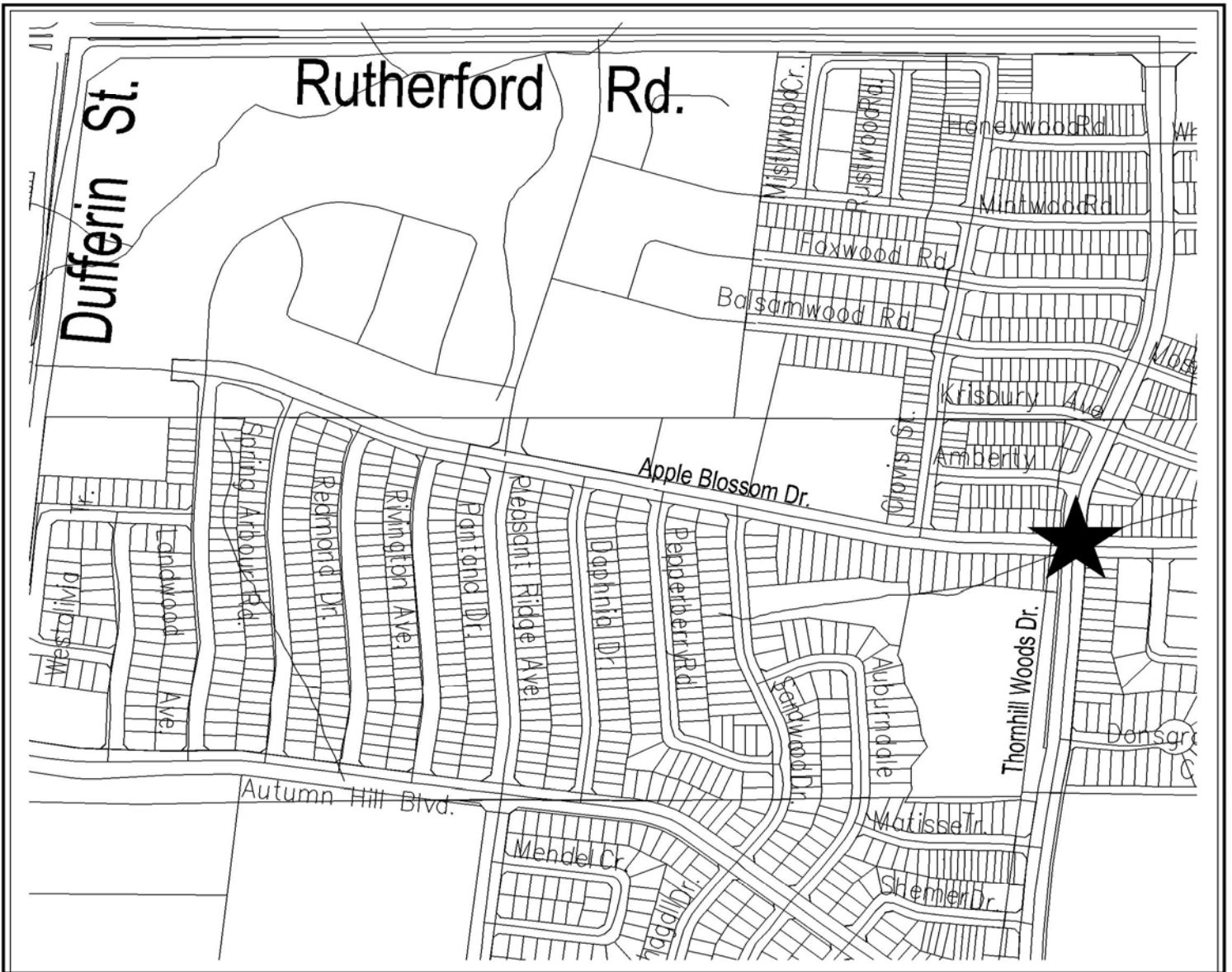
Niaz Muhammad, Transportation Analyst, Ext. 8249
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Respectfully submitted,

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

Andrew Pearce, C.E.T
Director of Development/Transportation
Engineering

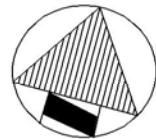
ATTACHMENT No. 1



THORNHILL WOODS DR. AND APPLE BLOSSOM DR. PROPOSED ALL-WAY STOP CONTROL

LEGEND

 INTERSECTION UNDER REVIEW



NOT TO SCALE