

COMMITTEE OF THE WHOLE - NOVEMBER 3, 2008

**BEVERLEY GLEN BOULEVARD AND DISERA DRIVE/ABBNEYWOOD GATE
PROPOSED ALL-WAY STOP CONTROL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That a by-law be enacted to install an all-way stop control at the intersection of Beverley Glen Boulevard and Disera Drive/Abbeywood Gate.

Economic Impact

The cost to install the stop signs and pavement markings (stop bars) would be an initial impact on the 2008 Operating Budget for which sufficient funds are available. The on-going costs to maintain the signs and pavement markings would be incorporated in future operating budgets.

Communications Plan

Engineering Services staff will notify the residents in the area with Council's decision.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Beverley Glen Boulevard and Disera Drive/Abbeywood Gate.

Background - Analysis and Options

A request was received from a resident to review the need for all-way traffic control at the intersection of Beverley Glen Boulevard and Disera Drive/Abbeywood Gate. Beverley Glen Boulevard and Disera Drive are minor collector roadways with a 23.0 metre right-of-way and a pavement width of 11.5 metres. Abbeywood Gate is a local road with a 17.5 metre right-of-way and an 8 metre pavement width. The current stop controls at this intersection are on Disera Drive and Abbeywood. The existing speed limit on Beverley Glen Boulevard, Abbeywood Gate and Disera Drive is a statutory 50 km/h. The area is shown in Attachment No.1.

Staff conducted a turning movement count on Tuesday, September 16th, 2008 at the intersection of Beverley Glen Boulevard and Disera Drive/Abbeywood Gate. The study was conducted during the peak morning and afternoon time periods of 7:00 am to 9:00 am and 4:00 pm to 6:00 pm. On the day of the traffic study the weather was clear and sunny. The data collected was compared to the Provincial Warrant for All-Way Stop Control with the following results:

- | | | | |
|---|---------------------------------------|-----------|------|
| • | Warrant 1 – Minimum Vehicular Volumes | Warranted | 116% |
| • | 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 116% of the required 100% on the warrant. There are no recorded vehicle collisions at this intersection from June 2005 through to June 2006, the last year for which collision data is available. There are no sight restrictions at this intersection. According to the results above, this intersection does meet the minimum requirements of the Provincial Warrant.

Relationship to Vaughan Vision 2020

This traffic study is consistent with Vaughan Vision 2008 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 an all-way stop control be installed at the intersection of Beverley Glen Boulevard and Disera Drive/Abbeywood Gate.

Attachments

1. Location Map

Report prepared by:

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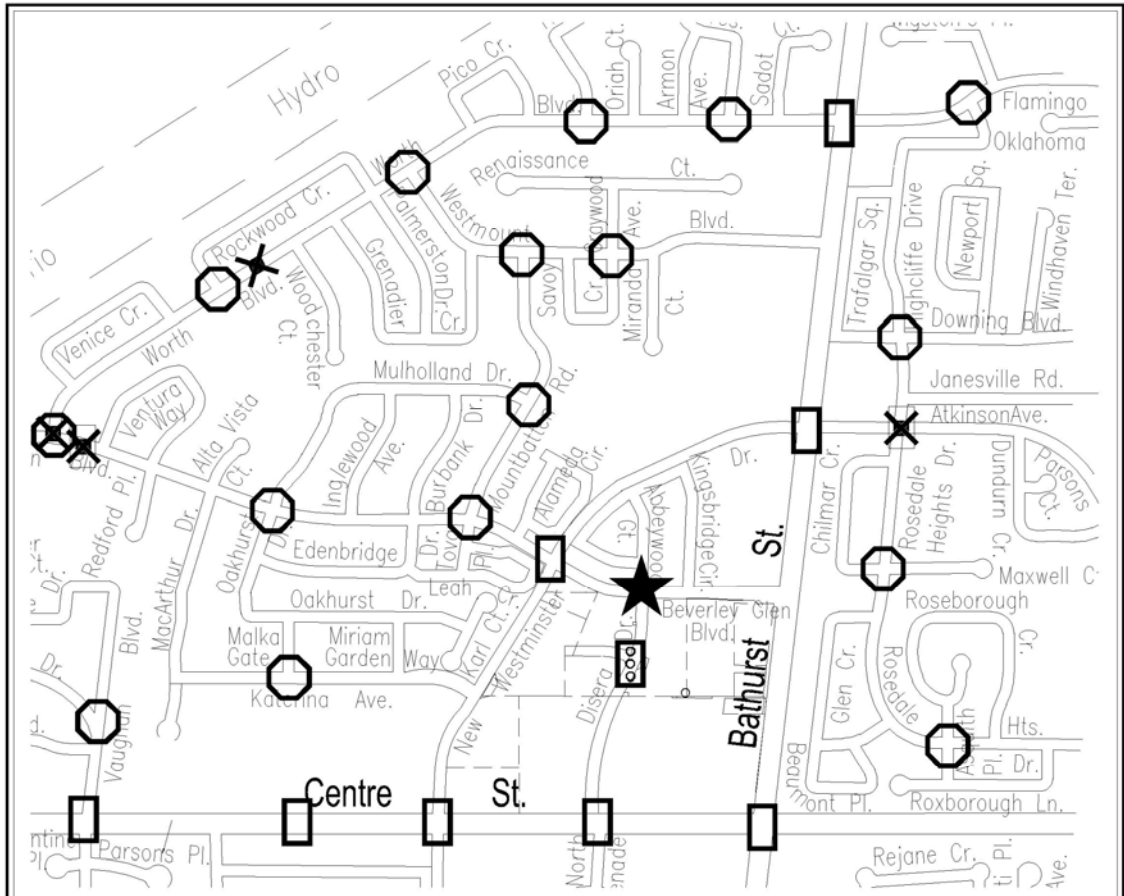
Respectfully submitted,

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

Debbie Korolnek, P. Eng.
Director of Engineering Services






LW:mc

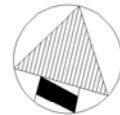
ATTACHMENT No. 1



BEVERLEY GLEN BLVD. & DISERA DR./ ABBEYWOOD GT. PROPOSED ALL-WAY STOP

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SCHOOL CROSSING GUARD
-  PROPOSED TRAFFIC SIGNAL



NOT TO SCALE

