



**STAFF REPORT
ACTION REQUIRED**

**All-Way Stop Control Not Recommended –
Cedar Brae Boulevard at Danmary Road**

Date:	June11, 2008
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 38 – Scarborough Centre
Reference Number:	P:\2008\Cluster B\TRA\Scarborough\sc08048 D08-2824622 Cedar Brae Boulevard at Danmary–AWSC not warranted

SUMMARY

This staff report is about a matter for which the Community Council has delegated authority from City Council to make a final decision.

This report responds to a request from Councillor De Baeremaeker to install an All-Way Stop Control at the intersection of Cedar Brae Boulevard and Danmary Road. The report shows that this intersection failed to meet the required technical warrant for this type of traffic control.

It is recommended that an All-Way Stop Control not be installed at Cedar Brae Boulevard and Danmary Road since the subject intersection failed to meet the warrant for installation of an All-Way Stop Control which was adopted by Council for use in the city of Toronto.

RECOMMENDATIONS

Transportation Services, Scarborough District, recommends that Scarborough Community Council:

1. Not approve the installation of an All-Way Stop Control at Cedar Brae Boulevard and Danmary Road, and
2. Not amend the appropriate by-law accordingly.

Financial Impact

There would be no financial impact associated with the staff recommendation; however, if an All-Way Stop Control were to be installed, the financial cost of installing the two additional stop signs is approximately \$500.00. The funding for these stop controls would be available in the Transportation Services 2008 Operating Budget, within Cost Centre TP0226.

ISSUE BACKGROUND

Further to a request from Councillor De Baeremaeker, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Cedar Brae Boulevard at Danmary Road.

COMMENTS

The following characteristics describe the intersection of Cedar Brae Boulevard at Danmary Road:

- This intersection is located in the community west of Bellamy Road North and north of Eglinton Avenue East.
- Danmary Road intersects Cedar Brae Boulevard from the west and forms a three-way intersection, which is presently controlled by an eastbound stop sign on Danmary Road at Cedar Brae Boulevard.
- Cedar Brae Boulevard is a two-lane local roadway with a signed speed limit of 50 kilometres per hour and a daily traffic volume of approximately 1,200 vehicles per day. It has an 85th percentile speed of 54 Km/h (Thursday, May 5, 2005).
- Danmary Road is a two-lane local roadway with an unsigned speed limit of 50 kilometres per hour.
- Sidewalks are located on both sides of Danmary Road and on the east side of Cedar Brae Boulevard.

An All-Way Stop Control is not recommended on Cedar Brae Boulevard at Danmary Road, since the subject intersection failed to meet the warrant for an All-Way Stop Control installation, as adopted by Council for use in the city of Toronto.

All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of Cedar Brae Boulevard and Danmary Road during the morning and afternoon peak hours of a typical weekday (Wednesday, May 28, 2008) produced the following results:

All-Way Stop Control Warrant	A Total Approach Vehicle Volume	B Vehicle/Pedestrian Volume Crossing Major Road	C Unit Volume Split* Major/Minor Roads
Two-Hour Study Period Average	230	67	74/26
Warrant Requirements For Study Period Average For Local Roads	≥ 250	≥ 100	≥ 30/70 or ≤ 70/30

* “Unit Volume Split”: Major Road Volume – Vehicles only.
 Minor Road Volume – Vehicles plus pedestrians crossing the major road.

For an All-Way Stop Control to be numerically justified, the traffic volume requirements for the “Study Period Average” must be completely satisfied in Categories A and C, or Categories B and C.

As outlined in the above table, the traffic volumes do not meet the requirements to install an All-Way Stop Control at the subject intersection at this time.

A review of the collision records revealed that one collision was reported at this intersection during the five-year period ending December 31, 2007. The subject collision was weather related where winter road conditions prevailed at the time of the collision.

Accordingly, based on the above-mentioned traffic study results, this intersection is operating in a safe and efficient manner with the existing eastbound stop sign on Danmary Drive at Cedar Brae Boulevard. An All-Way Stop Control is not recommended at the subject intersection.

CONTACT

Marko A. Oinonen, P.Eng.
Manager, Traffic Operations, Scarborough District
Tel: 416-396-7148
Fax: 416-396-5641
E-Mail: moinone@toronto.ca

SIGNATURE

Peter J. Noehammer, P.Eng.
Director, Transportation Services, Scarborough District

KS:ca

ATTACHMENTS

1. Location Plan (Existing Conditions – Cedar Brae Boulevard Area)