



STAFF REPORT ACTION REQUIRED

All-Way Stop Control – Ellendale Drive and Bergen Road

Date:	December 15, 2014
To:	Scarborough Community Council
From:	Acting Director, Transportation Services, Scarborough District
Wards:	Ward 37 – Scarborough Centre
Reference Number:	P:\2014\Cluster B\TRA\Scarborough\sc1508.docx D14-6364636 AWSC – Ellendale Drive at Bergen Road

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 direction from Scarborough Community to review the feasibility of installing an All-Way Stop Control at the intersection of Ellendale Drive and Bergen Road. The report shows that this intersection did not meet the required technical warrant for this type of traffic control.

It is recommended that an All-Way Stop Control not be installed on Ellendale Drive and Bergen Road, as the numerical study values did not meet the warrant for the installation of an All-Way Stop Control.

RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Not approve the installation of an All-Way Stop Control at the intersection of Ellendale Drive and Bergen Road.

Financial Impact

There would be no financial impact associated with the staff recommendation regarding the unwarranted All-Way Stop Control. However, if an All-Way Stop Control were to be approved, the financial cost of installing the additional stop signage and associated pavement markings would be approximately \$500.00. The funding for such stop signs has been requested in the Transportation Services 2014 Operating Budget, within Cost Centre TP0397.

ISSUE BACKGROUND

At its meeting of August 12, 2014, Scarborough Community Council directed the Director, Transportation Services, Scarborough District, to report back to the Scarborough Community Council on the feasibility of approving an All-Way Stop Control at this intersection, as per the following decision link:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2014.SC34.34>

COMMENTS

Key characteristics describing the intersection of Ellendale Drive and Bergen Road:

- This intersection is located within the residential community east of Birchmount Road, west of Kennedy Road and north of Lawrence Avenue East.
- Ellendale Drive, west of Vauxhall Drive is a two-lane local road with a non-posted speed limit of 50 kilometres per hour and a daily traffic volume of approximately 443 vehicles per day. It has an 85th percentile speed of 46 km/h.
- Bergen Road is a two-lane local road that intersects Ellendale Drive on the south side with a non-posted speed limit of 50 kilometres per hour.
- There are sidewalks on at least one side of Ellendale Drive and Bergen Road.
- The land uses in this neighbourhood are single family residential.

An All-Way Stop Control cannot be recommended on Ellendale Drive and Bergen Road since the subject intersection did not meet the warrant for an All-Way Stop Control installation.

All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of Ellendale Drive and Bergen Road during the morning and afternoon peak hours of a typical weekday (Thursday September 12, 2013), 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
Four-Hour Study Period Average	79	23	73/27
Warrant Requirements For Study Period Average For Collector 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. The spacing to adjacent controls is less than the minimum distances in the approved criteria for an All-Way Stop Control.

A review of the collision records revealed that there have been no reported collisions at this intersection during the five-year period ending December 31, 2012.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (All-Way Stop Control – Ellendale Drive and Bergen Road).