



STAFF REPORT ACTION REQUIRED

Proposed Minor Street Stop Signs - Highview Avenue Area

Date:	December 18, 2007
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 36 – Scarborough Southwest
Reference Number:	P:\2007\Cluster B\TRA\Scarborough\sc08001 D07-1592 Highview Area Stop Signs

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 to install an All-Way Stop Control at the intersection of South Bonnington Avenue and Willingdon Avenue. The report shows that this intersection failed to meet the required technical warrant for this type of traffic control.

While investigating the foregoing request, Transportation Services staff also reviewed the installation of minor street stop signs at two uncontrolled three-way intersections in the same Birchcliffe-Cliffside Neighbourhood namely at: Baudina Crescent and Anneke Road and Haslam Street and Malta Street.

It is recommended that minor street stop signs be installed at these latter two uncontrolled three-way intersections to clearly define the right-of-way and to regulate traffic flow.

RECOMMENDATIONS

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

1. Not approve the installation of an All-Way Stop Control at South Bonnington Avenue and Willingdon Avenue,
2. Adopt the “Compulsory Stops” regulation, as identified in Appendix 1 of this report, and

- Amend the appropriate by-law accordingly.

Financial Impact

The financial cost of installing the two recommended stop controls is approximately \$300.00. The funding for these stop controls is available in the Transportation Services 2007 Operating Budget, within Cost Centre TP0226.

ISSUE BACKGROUND

Further to a request from City Councillor Brian Ashton, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of South Bonnington Avenue and Willingdon Avenue.

The justification for the installation of an All-Way Stop Control is based on a technical warrant adopted by Council for use in the city of Toronto.

COMMENTS

The following characteristics describe the intersection of South Bonnington Avenue and Willingdon Avenue:

- This three-way intersection is located in the community west of Kennedy Road, north of Danforth Avenue, and is presently controlled by an eastbound stop sign on Willingdon Avenue.
- South Bonnington Avenue is a two-lane local roadway with a speed limit of 50 kilometres per hour (not signed) and a daily traffic volume of approximately 400 vehicles per day.
- Willingdon Avenue is also a two-lane local roadway with a speed limit of 50 kilometres per hour (not signed).
- Sidewalks are located on the both sides of South Bonnington Avenue and both sides of Willingdon Avenue.

All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of South Bonnington Avenue and Willingdon Avenue during the morning and afternoon peak hours of a typical weekday (Tuesday, September 25, 2007) 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	20	11	51/49
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 no collisions were reported at this intersection during the five-year period ending December 31, 2006.

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 Willingdon Avenue.

During this investigation, staff identified two three-way uncontrolled intersections in the immediate area. Accordingly, to provide stop sign uniformity and to encourage motorists to stop before the sidewalk to enhance pedestrian safety, minor street stop signs are recommended at the following two locations:

1. Baudina Crescent at Anneke Road
2. Haslam Street at Malta Street

When installed, the subject stop signs will help to clarify road right-of-way, regulate traffic flow and enhance public safety.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Appendix 1 – By-law Amendment (enact)
2. Location Plan (Proposed Stop Signs – Highview Avenue Area)

Appendix 1

“Compulsory Stops”
Regulation to be Enacted

Column 1
Intersection

Column 2
Stop Street

Baudina Crescent and
Anneke Road

Baudina Crescent

Haslam Street and
Malta Street

Haslam Street