



STAFF REPORT ACTION REQUIRED

Proposed Minor Street Stop Signs in the Northleigh Drive Area

Date:	September 18, 2008
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 38 – Scarborough Centre
Reference Number:	P:\2008\Cluster B\TRA\Scarborough\sc08068 D08-2863066 Northleigh Drive Stop Sign

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 uncontrolled intersection of Northleigh Drive and Erinlea Crescent (south intersection). The report shows that this intersection failed to meet the required technical warrant for this type of control; however, Transportation Services staff recommend the installation of a minor street stop sign on Erinlea Crescent (south intersection) at this intersection, as well as the installation of minor street stop signs at six other uncontrolled intersections in the Woburn Neighbourhood.

Council's approval to installing minor street stop signs at these seven uncontrolled intersections will clearly define the right-of-way and regulate traffic flow.

RECOMMENDATIONS

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

1. Not install All-Way Stop Control at the intersection of Northleigh Drive and Erinlea Crescent (south intersection);
2. Adopt the "Compulsory Stops" regulations, as identified in Appendix 1 of this report;

3. Adopt the “Through Street” regulation, as identified in Appendix 1 of this report, and
4. Amend the appropriate by-laws accordingly.

Financial Impact

The financial cost of installing these stop controls is approximately \$1,750.00. The funding for these stop controls is available in the Transportation Services 2008 Operating Budget, within Cost Centre TP0226.

ISSUE BACKGROUND

Further to a request from Councillor Glenn De Baeremaeker, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Northleigh Drive and Erinlea Crescent (south intersection).

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

Several characteristics describing the intersection of Northleigh Drive and Erinlea Crescent (south intersection) include:

- This intersection is located in the community west of Bellamy Road and south of Ellesmere Road.
- Northleigh Drive is a two-lane local road with a speed limit of 50 kilometres per hour (not posted) and a daily traffic volume of less than 2,000 vehicles per day.
- Erinlea Crescent is also a two-lane local road, which intersects Northleigh Drive at two separate three-way intersections, and both are presently uncontrolled.
- Sidewalks are located on both sides of Northleigh Drive.

All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of Northleigh Drive and Erinlea Crescent (south intersection) during the morning and afternoon peak hours of a typical weekday (Tuesday, June 17, 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
Four-Hour Study Period Average	42	25	54/46
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 warrant table, the traffic volumes do not meet the requirements to install an All-Way Stop Control at the subject intersection at this time.

Although a review of the collision records revealed that no collisions were reported at this intersection during the five-year period ending December 31, 2007, it would be prudent to install a stop sign on Erinlea Crescent at Northleigh Drive (south intersection). This stop sign would encourage motorists to stop before the sidewalk to enhance pedestrian safety.

In addition to this intersection, there are six other uncontrolled intersections in the immediate area. Accordingly, to provide stop sign uniformity in the vicinity, and for the same safety reasons, stop signs are also recommended at the following six locations:

1. Erinlea Crescent at Northleigh Drive (north intersection)
2. Berkham Road at Northleigh Drive
3. Monmouth Court at Berkham Road
4. Parkington Crescent at Berkham Road
5. Earlthorpe Crescent at Parkington Crescent
6. Faraday Drive at Baybrook Crescent

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

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SIGNATURE

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ATTACHMENTS

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

Appendix 1

“Through Streets”
Regulation to be Enacted

(In Column 1) Highway	(In Column 2) From	To
Northleigh Drive	Bellamy Road	Brimorton Drive
Berkham Road	Lynnbrook Drive	Northleigh Drive

“Compulsory Stops”
Regulation to be Enacted

<u>Column 1</u> <u>Intersection</u>	<u>Column 2</u> <u>Stop Street</u>
Earlthorpe Crescent and Parkington Crescent	Earlthorpe Crescent
Faraday Drive and Baybrook Crescent	Faraday Drive