



**STAFF REPORT
ACTION REQUIRED**

**Proposed Minor Street Stop Signs - Perivale Crescent
Area**

Date:	October 15, 2007
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 38 – Scarborough Centre
Reference Number:	P:\2007\Cluster B\TRA\Scarborough\sc07056 D07-1506 Perivale 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 north intersection of Rossander Court and Perivale Crescent. The report shows that this intersection failed to meet the required technical warrant for this type of traffic control.

Transportation Services staff reviewed the installation of minor street stop signs at four uncontrolled three-way intersections in the Bendale Neighbourhood: Bendale Boulevard and Rossander Court, Dignam Court and Perivale Crescent, Perivale Crescent and Bendale Boulevard, and the south intersection of Rossander Court and Perivale Crescent.

It is recommended that minor street stop signs be installed at these latter four 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 the north intersection of Rossander Court and Perivale Crescent,
2. Adopt the “Compulsory Stops” regulation, as identified in Appendix 1 of this report, and
3. Amend the appropriate by-law accordingly.

Financial Impact

The financial cost of installing these four recommended stop controls is approximately \$600.00. 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 Glenn De Baeremaeker, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the north intersection of Rossander Court and Perivale Crescent.

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 north intersection of Rossander Court and Perivale Crescent:

- This four-way intersection is located in the community east of McCowan Road, south of Lawrence Avenue East, and is presently controlled by northbound and southbound stop signs on Perivale Crescent.
- Rossander Court is a two-lane local roadway with a speed limit of 50 kilometres per hour (not signed) and a daily traffic volume of approximately 600 vehicles per day.
- Perivale Crescent 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 Rossander Court and both sides of Perivale Crescent.

All-Way Stop Control Warrant Study

A traffic study conducted at the north intersection of Rossander Court and Perivale Crescent during the morning and afternoon peak hours of a typical weekday (Monday, September 10, 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	47	32	45/55
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 northbound and southbound stop signs on Perivale Crescent at Rossander Court.

During this intersection’s review, staff identified four 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 four locations:

1. Bendale Boulevard at Rossander Court
2. Dignam Court at Perivale Crescent
3. Perivale Crescent at Bendale Boulevard
4. Rossander Court at Perivale Crescent

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

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SIGNATURE

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ATTACHMENTS

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

Appendix 1

“Compulsory Stops”
Regulation to be Enacted

Column 1
Intersection

Column 2
Stop Street

Bendale Boulevard and
Rossander Court

Bendale Boulevard

Dignam Court and
Perivale Crescent

Dignam Court

Perivale Crescent and
Bendale Boulevard

Perivale Crescent

Rossander Court and
Perivale Crescent,
South Intersection

Rossander Court