



## STAFF REPORT ACTION REQUIRED

### All-Way Stop Control Not Recommended – on Cherryhill Avenue at Rodarick Drive

<b>Date:</b>	August 6, 2008
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 44 – Scarborough East
<b>Reference Number:</b>	P:\2008\Cluster B\TRA\Scarborough\sc08061 D08-2824297 (D07-2310) Cherryhill Stop Signs

#### SUMMARY

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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 an area resident to install an All-Way Stop Control at the intersection of Cherryhill Avenue at Rodarick Drive. 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 Cherryhill Avenue at Rodarick Drive 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. However, it is recommended that a minor street stop sign be installed on Rodarick Drive at the subject uncontrolled three-way intersections to clearly define the right-of-way and to regulate traffic flow.

Transportation Services staff also reviewed the installation of minor street stop signs at two other three-way uncontrolled intersections in the Centennial Scarborough Neighbourhood, namely on: Rodarick Drive at Holmcrest Trail and Paulander Avenue at Holmcrest Trail.

It is recommended that minor street stop signs be installed at all the subject uncontrolled three-way intersections to clearly define the right-of-way and to regulate traffic flow. Minor street stops will also encourage motorists to stop before the sidewalk to enhance pedestrian safety.

## **RECOMMENDATIONS**

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

1. Not approve the installation of an All-Way Stop Control at Cherryhill Avenue at Rodarick Drive,
2. Rescind the “Compulsory Stops” regulations, as identified in Appendix 1 of this report,
3. Adopt the “Through Streets” and “Compulsory Stops” regulations, as identified in Appendix 2 of this report, and
4. Amend the appropriate by-laws accordingly.

### **Financial Impact**

The financial cost of installing the recommended three compulsory stop controls is approximately \$750.00. However, if an All-Way Stop Control were to be installed, at Cherryhill Avenue and Rodarick Drive the financial cost of installing the two more stop signs is approximately an additional \$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 an area resident, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Cherryhill Avenue at Rodarick Drive.

### **COMMENTS**

Several characteristics describe the subject intersection:

- The intersection of Cherryhill Avenue at Rodarick Drive is presently uncontrolled and located in the Centennial Scarborough Neighbourhood south of Lawrence Avenue East and west of Centennial Road.
- Cherryhill Avenue is a local two-lane roadway with an unsigned speed limit of 50 kilometres per hour.
- Sidewalks are located on both sides of Cherryhill Avenue and Rodarick Drive.

An All-Way Stop Control is not recommended Cherryhill Avenue at Rodarick Drive, 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 Cherryhill Avenue and Rodarick Drive during the morning and afternoon peak hours of a typical weekday (Tuesday, October 30, 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	58	7	89/11
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, 2007. This record shows there is no indicative collision problem at this site at this time.

Accordingly, based on the above-mentioned traffic study results, this intersection is operating in a safe and efficient manner and as such, an All-Way Stop Control is not recommended at the subject intersection. Nonetheless, a compulsory stop sign on Rodarick Drive at Cherryhill Avenue will better help to define the right-of-way at this intersection.

In addition to the above intersection, staff identified two other three-way uncontrolled intersections in the immediate area with similar characteristics. Accordingly, to provide stop sign uniformity and for the same safety reasons as above, a minor street stop sign is recommended at all three intersections.

## **CONTACT**

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## **SIGNATURE**

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## **ATTACHMENTS**

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

Appendix 1

“Compulsory Stops”  
Regulations to be Rescinded

(In  
Column 1)  
Intersection

(In  
Column 2)  
Stop Street

Cherryhill Avenue and Holmcrest Trail  
(South Intersection)

Cherryhill Avenue

Holmcrest Trail and Cherryhill Avenue  
(North Intersection)

Holmcrest Trail

Appendix 2

“Through Streets”  
Regulations to be Enacted

(In Column 1) <u>Highway</u>	(In Column 2) <u>From</u>	<u>To</u>
Cherryhill Avenue	Lawrence Avenue East	Holmcrest Trail (South Intersection)
Holmcrest Trail	Paulander Avenue (North Intersection)	to the south end of Holmcrest Trail

“Compulsory Stops”  
Regulations to be Enacted

(In Column 1) <u>Intersection</u>	(In Column 2) <u>Stop Street</u>
Holmcrest Trail and Rodarick Drive	Rodarick Drive