



**STAFF REPORT  
ACTION REQUIRED**

**Proposed All-Way Stop Control on Susan Street at  
Samson Crescent/Windover Drive**

<b>Date:</b>	October 15, 2007
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 43 – Scarborough East
<b>Reference Number:</b>	P:\2007\Cluster B\TRA\Scarborough\sc07063 D07-488 Susan Samson Windover

**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 to install an All-Way Stop Control at the intersection of Susan Street and Samson Crescent/Windover Drive. The report shows that an All-Way Stop Control is warranted at this intersection.

Transportation Services staff also reviewed the installation of minor street stop signs at five uncontrolled three-way intersections in the immediate area: Angora Street and Summerbridge Road, Mayhill Crescent and Shoredale Drive, Shoreland Crescent and Kirker Avenue, Stonemanse Court and Karen Ann Crescent, and Samson Crescent, eastbound, and Degrey Court.

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

## **RECOMMENDATIONS**

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

1. Approve the installation of an All-Way Stop Control at the intersection of Susan Street and Samson Crescent/Windover Drive,
2. Adopt the “Compulsory Stops” regulation, as identified in the Appendix 1 of this report, and
3. Amend the appropriate by-law accordingly.

### **Financial Impact**

The financial cost of installing these stop controls is approximately \$2,000.00. 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 an area resident, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Susan Street and Samson Crescent/Windover Drive.

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 Susan Street and Samson Crescent/Windover Drive:

- This four-way intersection is located in the community south of Lawrence Avenue East, east of Scarborough Golf Club Road, and is presently controlled by eastbound and westbound stop signs on Windover Drive and Samson Crescent respectively, which are supplemented by painted stop bars and crosswalk lines.
- A School Crossing is located on Susan Street on the south side of the intersection and is supervised by an adult crossing guard during school crossing times.
- Susan Street is a two-lane local roadway with a speed limit of 40 kilometres per hour and a daily traffic volume of approximately 1,700 vehicles per day.
- Samson Crescent and Windover Drive are two-lane local roadways with a speed limit of 40 kilometres per hour.
- Sidewalks are located on both sides of Susan Street, Samson Crescent and Windover Drive.

### All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of Susan Street and Samson Crescent/Windover Drive during the morning and afternoon peak hours of a typical weekday (Tuesday, March 27, 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
Four-Hour Study Period Average	144	167	39/61
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, Categories B and C satisfied the warrant requirements; therefore, an All-Way Stop Control is warranted and should be installed at this intersection.

A review of the Toronto Police Service collision records for the five-year period ending December 31, 2006 revealed that no collisions have been reported at this intersection.

During this intersection’s review, staff identified five uncontrolled three-way 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 five locations:

1. Angora Street and Summerbridge Road
2. Mayhill Crescent and Shoredale Drive
3. Shoreland Crescent at Kirker Avenue
4. Stonemans Court at Karen Ann Crescent
5. Samson Crescent, eastbound, at Degrey Court

When installed, the subject five 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 All-Way Stop Control – Susan Street at Samson Crescent/Windover Drive)

Appendix 1

“Compulsory Stops”  
Regulation to be Enacted

Column 1  
Intersection

Column 2  
Stop Street

Angora Street and  
Summerbridge Road

Angora Street

Mayhill Crescent and  
Shoredale Drive

Mayhill Crescent

Samson Crescent and  
Degrey Court

Samson Crescent,  
Eastbound

Shoreland Crescent and  
Kirker Avenue

Shoreland Crescent

Stonemanse Court and  
Karen Ann Crescent

Stonemanse Court

Susan Street and  
Samson Crescent/Windover Drive

Susan Street