

Proposed All-Way Stop Control on Southmead Road at Harris Park Drive

Date:	December 21, 2006
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 35 – Scarborough Southwest
Reference Number:	P:\2007\Cluster B\TRA\Scarborough\sc07010 D06-2382 Southmead Harris Park

SUMMARY

This report provides the results of an all-way stop control study conducted at the intersection of Southmead Road and Harris Park Drive.

Traffic studies reveal that an all-way stop control is warranted at the noted intersection.

RECOMMENDATIONS

Transportation Services, Scarborough District, recommend that:

1. The “Compulsory Stops” regulation, as identified in the Appendix 1 of this report, be adopted.
2. The appropriate by-law be amended.

FINANCIAL IMPACT

The financial cost of installing these stop controls is approximately \$700.00. The funding for these stops controls is available in the Transportation Services 2007 Operating Budget, within Cost Centre TP0226.

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

Further to a request from an area resident, Transportation Services staff investigated the feasibility of installing an all-way stop control at the intersection of Southmead Road and Harris Park Drive.

ISSUE BACKGROUND

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 factors involving the intersection of Southmead Road and Harris Park Drive include:

- This intersection is located in the community west of Pharmacy Avenue and south of Eglinton Avenue East.
- Both roadways are two-lane local roads with speed limits of 50 kilometres per hour (not signed) and daily traffic volumes of approximately 550 and 850 vehicles per day, respectively.
- This four-way intersection is presently controlled by north/southbound stop signs on Harris Park Drive, which are supplemented by painted stop bars.

All-Way Stop Control Warrant Study

A traffic study conducted at Southmead Road and Harris Park Drive during the morning and afternoon peak hours of a typical weekday (Tuesday, October 24, 2006) produced the following results:

All-Way Stop Control Warrant	Total Approach Vehicle Volume	Vehicle/Pedestrian Volume Crossing Major Road	Unit Volume Split* Major/Minor Roads
Four-Hour Study Period Average	149	126	30/70
Warrant Requirements For Study Period Average For Local Roads	≥ 250	≥ 100	$\geq 30/70$ or $\leq 70/30$

- “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, traffic volume requirements for the “Study Period Average” must be met in either of the following two combinations of the three categories:

1. “Total Approach Vehicle Volume” and “Unit Volume Split – Major/Minor Roads” or
2. “Vehicle/Pedestrian Volume Crossing Major Road” and “Unit Volume Split – Major/Minor Roads”.

As outlined in the above table, two categories completely satisfied the warrant requirements. Therefore, an all-way stop control is warranted and should be installed at this intersection.

When installed, the stop signs will help to clarify road right-of-way and enhance traffic safety at this intersection.

Collision History

A review of the Toronto Police Service collision records for the five-year period ending October 31, 2006 revealed that two collisions have been reported at the subject intersection. Both of these collisions occurred in 2006. No pedestrian collisions have occurred at this intersection.

CONTACT

Ian R. Harvey
Acting Manager, Traffic Operations, Scarborough District
Tel: 416-396-7148
Fax: 416-396-5681
E-Mail: iharvey@toronto.ca

SIGNATURE

Peter J. Noehammer, P. Eng.
Director
Transportation Services, Scarborough District

JAB/FJB:ca

ATTACHMENTS

1. Appendix 1 – By-law Amendment (enact)
2. Location Plan (Proposed All-Way Stop Control – Southmead Road at Harris Park Drive)

Appendix 1

“Compulsory Stops”
Regulation to be Enacted

Column 1
Intersection

Column 2
Stop Street

Southmead Road and
Harris Park Drive

Southmead Road