



STAFF REPORT ACTION REQUIRED

Traffic Concerns – Hillside Avenue and George Street

Date:	September 19, 2012
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 6 – Etobicoke-Lakeshore
Reference Number:	p:\2012\Cluster B\TRA\EtobicokeYork\eycc120131-to

SUMMARY

This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

The purpose of this report is to present the findings of an investigation regarding a request for the installation of an all-way stop control at the intersection of Hillside Avenue and George Street. A staff assessment concludes that the criteria for installing an all-way stop at this location are not achieved.

RECOMMENDATIONS

Transportation Services recommends that:

1. Etobicoke York Community Council not approve the installation of all-way stop controls at the intersection of Hillside Avenue and George Street.

Financial Impact

There are no financial implications resulting from the adoption of this report.

ISSUE BACKGROUND

The Ward Councillor, on behalf of area residents, requested that Transportation Services staff investigate the need for an all-way stop control at the intersection of Hillside Avenue and George Street. A map of the area is Attachment 1.

COMMENTS

Hillside Avenue and George Street are classified as “local” roads and have curbside sidewalks on both sides of the street. This four-way intersection currently has stop controls on George Street for northbound and southbound traffic. The posted speed limit on Hillside Avenue is 40 km/h; George Street has an un-posted speed limit of 50 km/h. John English School and Mimico Memorial Park are located in the immediate area.

The justification for installing an all-way stop control is based on a technical warrant adopted by Toronto City Council. The warrant is based on collision history and traffic volume. Our study results are summarized in Appendix A. The technical warrants for all-way stop controls are not met at this location, and no vehicle or pedestrian conflicts were observed during our study.

To address concerns regarding vehicular speeds, speed and volume data was collected on Hillside Avenue, east of George Street, for a two day period (Tuesday, November 29 and Wednesday, November 30, 2011) using an automated traffic counter. The studies revealed that the 85th percentile speed (the speed at or below which 85 percent of the motorists feel comfortable travelling given the prevailing traffic and roadway conditions) ranged between 47 km/h and 48 km/h, with an average speed ranging between 39 km/h and 41 km/h. During our studies the instances of excessive speeding were not prevalent. With respect to traffic volumes, our studies revealed vehicular counts that ranged between 2083 and 2181 vehicles per day.

A review of the Toronto Police Service collision records for this intersection show three reported incidents over the three-year period ending on December 31, 2011. All three were angle type involving a northbound vehicle colliding with an eastbound vehicle. The northbound motorist was charged in all three incidents. An investigation of the intersection reveals that sightlines are adequate.

Despite conducting a number of studies at this location, based on the non-compliance of the warrants, we do not recommend installing all-way stop controls at the intersection of Hillside Avenue and George Street.

CONTACT

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SIGNATURE

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Director, Transportation Services - Etobicoke York District

ATTACHMENTS

Appendix A: Warrant for All-Way "Stop" Sign Control

Attachment 1: Map

APPENDIX A

Warrant for All-Way Stop Control

Study Location: Hillside Avenue and George Street

Study Dates: September 28, 2011 and Feb 1, 2012

Four-Hour Study Period	Total Approach Vehicle Volume	Vehicle/Pedestrian* Volume Crossing Major Road	Unit Volume Split Major/Minor Roads
8:00 a.m. to 9:00 a.m.	293	121	67/33
3:00 p.m. to 4:00 p.m.	227	145	55/45
4:00 p.m. to 5:00 p.m.	182	42	79/21
5:00 p.m. to 6:00 p.m.	208	29	87/13
Study Period Average	228	84	70/30
<i>Warrant Requirements For Study Period Average</i>	≥ 250	≥ 100	$\geq 30/70$ or $\leq 70/30$

*Pedestrian volume includes pedestrians crossing Hillside Avenue at/near Central Street.

To warrant the installation of an all-way stop control, the traffic volume requirements for the “Study Period Average” must be completely satisfied in either of the following two combinations of the above 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”