

**REPORT FOR ACTION****All-Way Stop Control – Harris Park Drive and Holswade Road**

Date: August 15, 2019
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 20 – Scarborough Southwest

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 recommends that all-way stop control be authorized at the intersection of Harris Park Drive and Holswade Road as the existing conditions meet the warrant for the installation of such a traffic control device.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. Scarborough Community Council authorize all-way compulsory stop control at the intersection of Harris Park Drive and Holswade Road.

FINANCIAL IMPACT

The cost of installing the signs, pavement markings and any required civil works (ramps and walkways) to accommodate accessible pedestrian crossings is approximately \$10,000. The funding is currently available in the Transportation Services Division's 2019 Operating and Capital Budgets. This installation is subject to availability of funding and competing priorities.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

As a result of a request from Councillor Gary Crawford, Transportation Services staff reviewed the feasibility of installing all-way stop control at the intersection of Harris Park Drive and Holswade Road.

Existing Conditions

The following characteristics describe Harris Park Drive and Holswade Road:

- Harris Park Drive is a two-lane local road with a posted speed limit of 40 km/h and Holswade Road is a two-lane local road with a regulatory speed limit of 50 km/h.
- Currently, eastbound and westbound traffic on Holswade Road is required to stop at Harris Park Drive.
- There are sidewalks on the west side of Harris Park Drive at the subject intersection.
- The intersection of Harris Park Drive and Holswade Road is located east of Victoria Park Avenue and west of Pharmacy Avenue. Holswade Road connects with both Victoria Park Avenue and Pharmacy Avenue.
- The area is comprised of mainly of single family homes.

Analysis

Our conclusions are based on an all-way stop control Warrant study using traffic volumes recorded over a two-hour period during the morning and afternoon peak hours of a typical weekday. The results of our study indicate that the technical warrants for the installation of an all-way stop control device are met.

The details of our study, speed and volume data on Harris Park Drive and five-year review of the Toronto Police Service collision records, are outlined in the technical summary noted below.

All-way Stop Control Warrant Study

Study Date: June 24, 2019

Time period: 8:00 a.m. to 9:00 a.m. and 3:00 p.m. to 4:00 p.m.

All-Way Stop Control Warrant	Total Approach Vehicle Volume	Vehicle/Pedestrian Volume Crossing Major Road	Unit Volume Split* Major/Minor Roads
Two-Hour Study Period Average	197	118	43/57
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 all-way stop control to be numerically justified, 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”**

As outlined in the table, the traffic volumes meet the requirements to install an all-way stop control at the intersection of Harris Park Drive and Holswade Road. As such, the installation of all-way stop control at this intersection is recommended.

Automatic 24-Hour Speed Study

Study Location: Harris Park Drive, between Valdane Drive and Holswade Road
Study Date: Thursday April 12, 2018
Speed Limit: 40 Km/h

Location	Speed Ranges – Km/h					Total Vehicles 24 Hours	85 th Percentile Speed*
	1 - 40	41 - 50	51 - 60	61 - 65	> 65		
Eastbound	321	85	4	1	0	411	42 km/h
Westbound	230	206	35	2	4	477	48 km/h
Totals	551	291	39	3	4	888	Average 85th 45 km/h

* The 85th percentile speed is the speed at or below which the majority of motorists are travelling. This generally reflects the speed at which most motorists feel comfortable travelling on a given section of roadway, taking into consideration traffic volumes and surrounding conditions.

Collision History

A review of the collision records revealed that there have been four reported preventable collisions and no pedestrian related collisions at Harris Park Drive and Holswade Road during the five-year period ending December 31, 2018.

Installation of all-way stop control at the intersection of Harris Park Drive and Holswade Road meets the technical requirements and will improve the safety of all traffic movements at this intersection.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Attachment 1: Location Plan (All-Way Stop Control – Harris Park Drive and Holswade Road)

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