

All-Way Stop Control - Highgate Avenue and Hillcrest Avenue

Date: March 6, 2020

To: North York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 18 - Willowdale

SUMMARY

This staff report is about a matter for which Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

Transportation Services is requesting North York Community Council to authorize the installation of all-way stop control at the intersection of Highgate Avenue and Hillcrest Avenue.

The installation of an all-way stop control is justified at the intersection of Highgate Avenue and Hillcrest Avenue, which will establish the right-of-way and enhance pedestrian and vehicular safety at this intersection.

RECOMMENDATIONS

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

1. North York Community Council authorize all-way stop control at the intersection of Highgate Avenue and Hillcrest Avenue.

FINANCIAL IMPACT

All costs associated with the necessary sign installations are included within the Transportation Services 2020 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by a local resident to review the need for all-way stop control at the intersection of Highgate Avenue and Hillcrest Avenue.

Highgate Avenue is an 8.5 metre wide, two-lane local street with a posted speed limit of 40 km/h. There is a sidewalk on the east side of the street. Hillcrest Avenue is an 8.5 metre wide, two-lane local street. It operates with an unsigned statutory 50 km/h speed limit. A sidewalk is provided on the north side of Hillcrest Avenue. North/south traffic on Highgate Avenue operates free flow and east/west traffic on Hillcrest Avenue is stop controlled. Heavy vehicles are prohibited at all times and there is no TTC service provided on either street.

The existing land use within the immediate area of the intersection is primarily residential. Hollywood Public School and Hollywood All-stars Child Care are located at No. 360 Hollywood Avenue, approximately 50 metres south of the intersection of Highgate Avenue and Hillcrest Avenue. Pedestrian and vehicular traffic volume is high in this area due to the presence of the school and child care in the vicinity.

A review of Toronto Police Service collision records for the three-year period ending December 31, 2019, revealed that no collisions have been reported at the intersection of Highgate Avenue and Hillcrest Avenue of a type susceptible to correction by the installation of an all-way stop control.

The intersection of Highgate Avenue and Hillcrest Avenue was evaluated against the warrants for all-way stop control as adopted by City Council. The warrants consist of four components, including collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major street and the percentage of traffic on the major street.

The studies were conducted on February 20 and March 3, 2020 during the p.m. and a.m. peak periods respectively, and the collision history at the intersection was reviewed. The results of the warrant analysis are summarized in the following table:

Table 1: All-Way Stop Control at Highgate Avenue and Hillcrest Avenue

	Warrant Criteria	Actual	Required	Satisfied (YES/NO)
A	Number of Potentially Preventable Collisions	0	6	No
B1	Average Vehicle Volumes	131/hr	250/hr	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Street (Average)***	117/hr	100/hr	Yes
B3	Percentage of Traffic on Major Street***	26%	≤70%	Yes
	Overall Warrant			Yes

*** New Pedestrian Warrant criteria used as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 report

In order for the all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be met. Based on the study results shown in the table above, technical Warrants B2 and B3 are met. Therefore, it is recommended that all-way stop control be implemented at the intersection of Highgate Avenue and Hillcrest Avenue.

The Ward Councillor has been advised of the recommendation of this staff report.

CONTACT

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SIGNATURE

Roger Browne, M.A. Sc., P.Eng
 Acting Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - All-Way Stop Control - Highgate Avenue and Hillcrest Avenue

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