

All-way Stop Control - Westlake Avenue and Westbrook Avenue

Date: November 15, 2019
To: Toronto and East York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 19, Beaches - East York

SUMMARY

This staff report is about a matter that 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 staff have reviewed the need for all-way stop control at the intersection of Westlake Avenue and Westbrook Avenue, to address residents' concerns regarding safety. Our assessment indicates the criteria as set out in the all-way stop warrant has not been satisfied at this intersection. Therefore, all-way stop control should not be installed at the intersection of Westlake Avenue and Westbrook Avenue.

RECOMMENDATION

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

1. Toronto and East York Community Council not authorize the installation of all-way stop control at the intersection of Westlake Avenue and Westbrook Avenue.

FINANCIAL IMPACT

There is no financial impact resulting from the adoption of the recommendation in this report.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request of Councillor Brad Bradford, on behalf of area residents, Transportation Services reviewed the feasibility of implementing all-way stop control at the intersection of Westlake Avenue and Westbrook Avenue.

Existing Conditions

Westlake Avenue, between Crewe Avenue and Orley Avenue, is a local roadway with an average pavement width of 8.5 metres. It operates two-way traffic with a posted speed limit of 30 km/h and a daily two-way traffic volume of about 900 vehicles.

Westbrook Avenue, between Oak Park Avenue and Chisholm Avenue, is a local roadway with a pavement width of 7.3 metres and operates two-way traffic. It has a posted speed limit of 30 km/h and daily two-way traffic volume of about 300 vehicles.

These two streets intersect to form a right-angled four-leg intersection, with right-of-way controlled by "Stop" signs for eastbound and westbound traffic on Westbrook Avenue. Heavy trucks are prohibited at all times on both Westlake Avenue and Westbrook Avenue. There is no TTC service provided on either street.

Analysis

Transportation Services evaluated this intersection against the criteria governing the installation of stop signs which encompasses factors such as right-of-way conflicts, vehicular and pedestrian usage of the intersection, physical and geometric configuration, surrounding area traffic control and collision experience.

Collision statistics provided by the Toronto Police Service for the three-year period ending August 31, 2019 disclosed that two collisions had occurred at Westlake Avenue and Westbrook Avenue. One collision was angled and may have been avoided by the installation of all-way stop control at the intersection.

The results of the all-way stop control warrant study taking into account the new Vision Zero 2.0 warrants at the intersection of Westlake Avenue and Westbrook Avenue have been summarized in the following table:

Warrant A: Collision History	Warrant B-1A: Total Approach Vehicular Volume	Warrant B-1B: Combined Crossing Volume (Vehicles & Pedestrians)	Warrant B-2: Main Street/Side- Street Volume Split	All-Way Stop Warrants Satisfied (Yes/No)
Required: ≥2 Collisions/Year Actual: 0 Collisions/year (Not Met)	Required: 250 Vehicles/Hour Actual: 72 Vehicles/Hour (Not Met)	Required: 100 Units/Hour Actual: 36 Units/Hour (Not Met)	Required: ≤70%/30% Actual: 61%/39% (Met)	No

In order for the installation of all-way stop control to be warranted, Warrant A, Warrant B-1A or Warrant B-1B must be met in addition to Warrant B-2. Based on the above review, the technical warrants for the installation of all-way stop control at the intersection of Westlake Avenue and Westbrook Avenue is not satisfied, and therefore not recommended.

Councillor Brad Bradford has been advised of the recommendation of this staff report.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Drawing No. 421G-3583, dated November 2019

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