

All-way Stop Control - Cedarvale Avenue and Virginia Avenue

Date: December 5, 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.

In order to address residents' concerns regarding safety, Transportation Services staff reviewed the need for all-way stop control at the intersection of Cedarvale Avenue and Virginia Avenue. 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 Cedarvale Avenue and Virginia 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 Cedarvale Avenue and Virginia 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 Cedarvale Avenue and Virginia Avenue.

Existing Conditions

Cedarvale Avenue, between Cosburn Avenue and Holborne Avenue, is a local roadway and which operates two-way traffic on a pavement width of about 9 metres. It has a posted speed limit of 30 km/h and a daily two-way volume of about 600 vehicles.

Virginia Avenue, between Woodbine Avenue and Cosburn Avenue, is a local roadway, which operates two-way traffic on a pavement width of about 7.25 metres. It has a posted speed limit of 30 km/h and a daily two-way volume of about 200 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 Virginia Avenue. Heavy trucks are prohibited at all times on both Cedarvale Avenue and Virginia 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 no collisions were reported at the intersection of Cedarvale Avenue and Virginia Avenue.

The results of the All-way Stop Control Warrant study, taking into account the new Vision Zero 2.0 warrants at the intersection of Cedarvale Avenue and Virginia 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 Warrant Satisfied (Yes/No)
Required: ≥2 Collisions/Year Actual: 0 Collisions/year (Not Met)	Required: 250 Vehicles/Hour Actual: 38 Vehicles/Hour (Not Met)	Required: 100 Units/Hour Actual: 26 Units/Hour (Not Met)	Required: ≤70%/30% Actual: 47%/53% (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 Cedarvale Avenue and Virginia Avenue is not satisfied and, therefore, is 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-3618, dated December 2019

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