



REPORT FOR ACTION

All-Way Stop Control Review - Presley Avenue and Vernadale Crescent

Date: February 27, 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 that the Community Council has delegated authority from City Council to make a final decision.

This report recommends that the Community Council to authorize to refuse the installation of an All-Way Stop Control at the intersection of Presley Avenue and Vernadale Crescent as the existing conditions do not meet the warrant for the installation of such a traffic control device. This location currently has a stop control facing the eastbound on Vernadale Crescent approach of this T-type intersection.

RECOMMENDATIONS

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

1. Scarborough Community Council not authorize all-way compulsory stop control at the intersection of Presley Avenue and Vernadale Crescent.

FINANCIAL IMPACT

There would be no financial impact associated with the staff recommendation

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Further to a request from Councillor Gary Crawford and the local residents, Transportation Services staff reviewed the feasibility of installing an all-way stop control at the intersection of Presley Avenue and Vernadale Crescent.

Existing Conditions

The following key characteristics describe this location:

- This intersection is located within the community south of St. Clair Avenue East, west of Warden Avenue, east of Pharmacy Avenue and north of Danforth Avenue.
- Presley Avenue and Vernadale Crescent are classified as a local roadway. The regulatory speed limit on both roadways is an unposted 50 km/h, with a 24 hour vehicle volume of 434 vehicles per day (vpd).
- Sidewalks are located on both sides of Presley Avenue and Vernadale Crescent.
- The land use in this neighbourhood consists mainly of single family residential dwellings, school and playground area.
- Traffic Control Signals are located approximately 280 metres to the north at St. Clair Avenue East, and stop control is located approximately 110 metres to the south at Nancy Avenue.

Analysis

An All-Way Stop Control Warrant Study conducted on Wednesday, January 16, 2019 at the intersection of Presley Avenue and Vernadale Crescent during the morning and afternoon peak hours of a typical week day, produced the following results:

All-Way Stop Control Warrant	A Total Approach Vehicle Volume	B Vehicle/Pedestrian Volume Crossing Major Road	C Unit Volume Split* Major/Minor Roads
Two-Hour Study Period Hourly Average	71	362	57/43
Warrant Requirements For Study Period Average For Local Roads	≥ 275	≥ 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 an All-Way Stop Control to be numerically justified, the traffic volume requirements for the “Study Period Average” must be completely satisfied in Categories A and C, or Categories B and C.

As outlined in the above table, the traffic volumes do not meet the requirements to install an all-way stop control at the subject intersection at this time. However, should all-way stop control be warranted in the future, this would be a suitable location.

Collision History

A review of the Toronto Police Services collision records available for a three year period from January 1, 2016 to December 31, 2018 revealed that there have been no preventable collisions reported at this intersection.

Alternate Recommendations

If, despite the findings above, the Scarborough Community Council determines that an All-Way Stop Control would be beneficial, it may approve the following as to form:

1. Scarborough Community Council authorize all-way compulsory stop control at the intersection of Presley Avenue and Vernadale Crescent.

The financial cost of installing the signs, pavement markings and any required civil works to accommodate accessible pedestrian crossings is approximately \$10,000.00. All costs associated with the necessary signage, markings and civil works installation have not been included within the Transportation Services 2019 Interim Operating Budget, nor the 2019 Capital Budget.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (All-Way Stop Control Review - Presley Avenue and Vernadale Crescent.

Attachment 1: Location Plan (All-Way Stop Control Review - Presley Avenue and Vernadale Crescent

