

All-Way Stop Control Review - Freeman Street and Eastwood Avenue

Date: December 13, 2018
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 Community Council has delegated authority from City Council to make a final decision.

This report recommends that the Scarborough Community Council not approve the installation of an all-way stop control at the intersection of Freeman Street and Eastwood Avenue as the existing conditions do not meet the warrant for the installation of such a traffic control device. This location currently has a north and southbound stop control on Eastwood Avenue at this off-set four-way 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 Freeman Street and Eastwood Avenue.

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 local residents, Transportation Services staff reviewed the feasibility of installing an all-way stop control at the intersection of Freeman Street and Eastwood Avenue.

Existing Conditions

The following key characteristics describe this location:

- This intersection is located within the community south of Danforth Avenue, east of Warden Avenue, west of Birchmount Road and north of Kingston Road.
- Freeman Street is classified as a Local Road with a posted speed limit of 40 km/h, with a 24 hour vehicle volume of 732 vehicle per day (vpd).
- Sidewalks are located on both sides of Freeman Street and Eastwood Avenue.
- The land use in this neighbourhood consists mainly of single family residential dwellings.
- Adjacent Stop Control are located approximately 230 metres east at Birchcliff Avenue and 355 metres to the west at Warden Avenue.
- Birchcliff Public School is located just east of Eastwood Avenue on Freeman Street and Birchcliff Avenue. In addition, there is a day care located on the south/east corner of Freeman Street and Eastwood Avenue.
- Currently, No Parking Anytime corner restrictions are in place on all sides of this intersection.

Analysis

An All-Way Stop Control Warrant Study conducted on Wednesday, April 4, 2018 at the intersection of Freeman Street and Eastwood Avenue 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	149	58	64/36
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 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.

Collision History

A review of the Toronto Police Services collision records available for a three year period from January 1, 2015 to December 31, 2017 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 Freeman Street and Eastwood Avenue.

The financial cost of installing the signs, pavement markings and any required civil works (ramps and walkways) to accommodate accessible pedestrian crossings is approximately \$15,000.00. All costs associated with the necessary signage installation are included within the Transportation Services 2019 Interim Operating Budget.

CONTACT

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SIGNATURE

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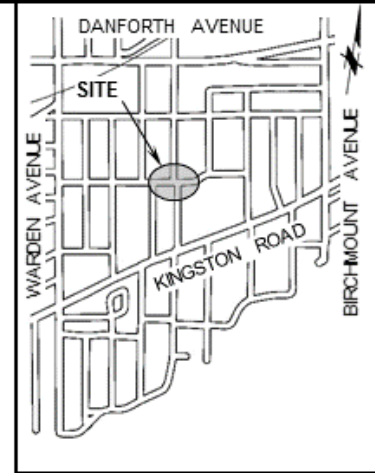
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ATTACHMENTS

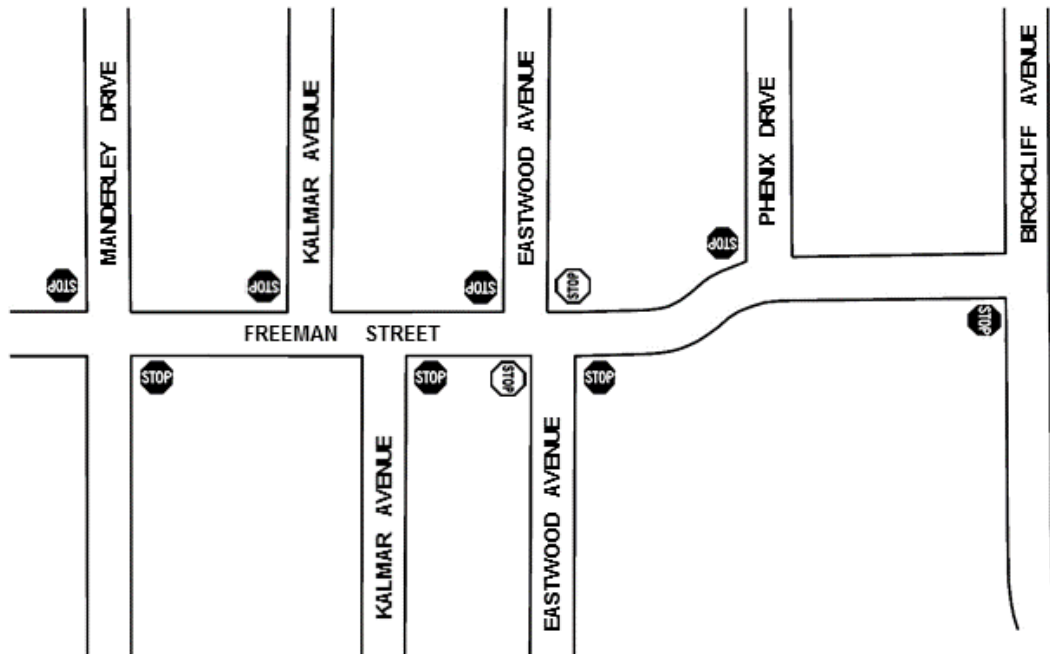
1. Location Plan (All-Way Stop Control Review - Freeman Street and Eastwood Avenue.

LEGEND

-  EXISTING STOP SIGN
-  PROPOSED STOP SIGN



KEY MAP



LOCATION MAP



TRANSPORTATION SERVICES

TRAFFIC OPERATIONS
Scarborough District

SCALE:	N.T.S.
DATE:	NOV., 2018
DRAFTING:	O.K.

ALL WAY STOP CONTROL REVIEW FREEMAN STREET AND EASTWOOD AVENUE

FILE NUMBER: D17-8485573	
ATTACHMENT 1	WARD 20