

All-Way Stop Control Review - Park Street and Sharpe Street

Date: December 10, 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 to refuse the installation of an All-Way Stop Control at the intersection of Park Street and Sharpe Street 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 north and southbound on Sharpe Street approach of this four legs 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 Park Street and Sharpe Street.

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 Park Street and Sharpe Street.

Existing Conditions

The following key characteristics describe this location:

- This intersection is located within the community south of St. Clair Avenue East, west of Midland Avenue, east of Kennedy Road and north of Kingston Road.
- Park Street is classified as a collector Road with posted speed limit of 40 km/h, with a 24 hour vehicle volume of 1,632 vehicle per day (vpd).
- Sidewalks are located on both sides of Park Street and Sharpe Street.
- The land use in this neighbourhood consists mainly of single family residential dwellings and park area.
- Adjacent All-Way Stop Control are located approximately 280 metres to the east at Atlee Avenue and approximately 180 to the west at Claremore Avenue.
- Sandown Park is located just south of Park Street between Sharpe Street and Natal Avenue.

Analysis

An All-Way Stop Control Warrant Study conducted on Wednesday, September 12, 2018 at the intersection of Park Street and Sharpe Street 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
Four-Hour Study Period Hourly Average	154	32	80/20
Warrant Requirements For Study Period Average For Collector Roads	≥ 375	≥ 150	≥ 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 City Council determines that an All-Way Stop Control would be beneficial, it may approve the following as to form:

1. City Council authorize all-way compulsory stop control at the intersection of Park Street and Sharpe Street.

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 are not included within the Transportation Services 2019 Interim Operating Budget, nor the 2019 Capital Budget.

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SIGNATURE

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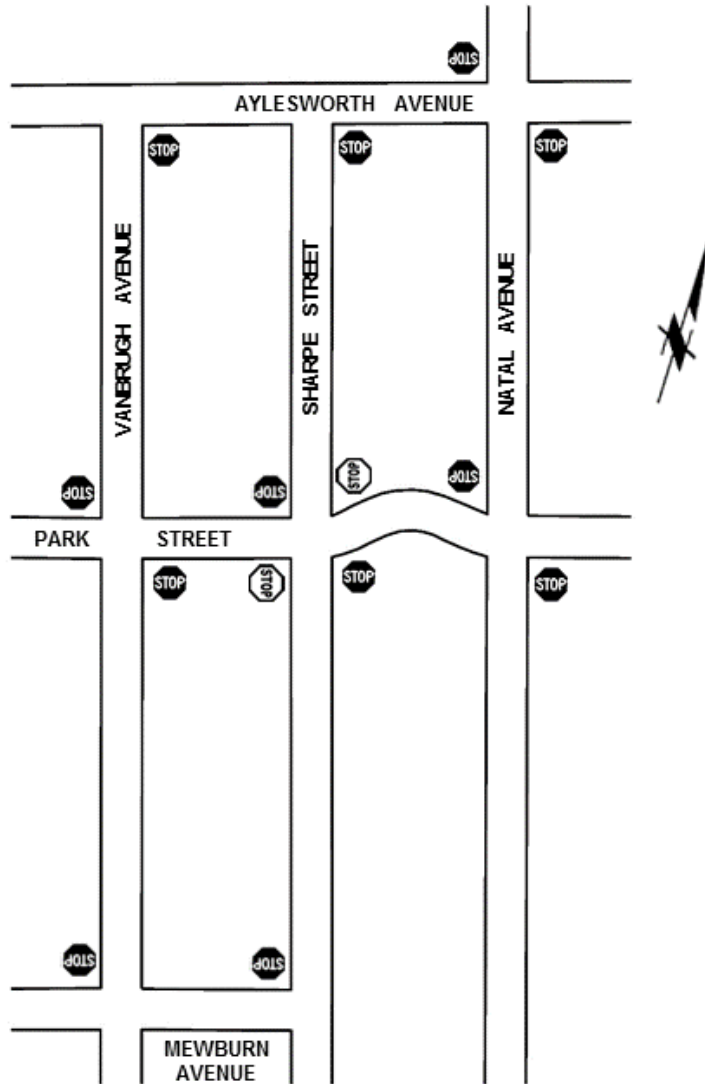
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ATTACHMENTS

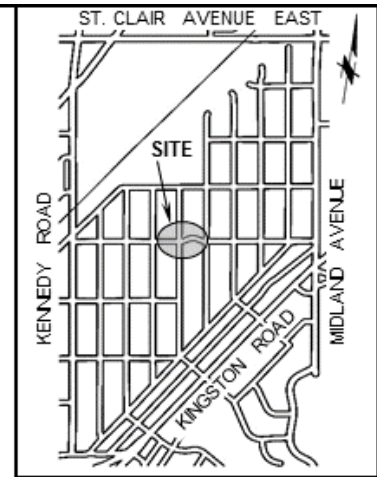
1. Location Plan (All-Way Stop Control Review - Park Street and Sharpe Street)

LEGEND

-  EXISTING STOP SIGN
-  PROPOSED STOP SIGN



LOCATION MAP



KEY MAP



TRANSPORTATION SERVICES

TRAFFIC OPERATIONS
Scarborough District

SCALE:	N.T.S.	ALL WAY STOP CONTROL REVIEW PARK STREET AND SHARPE STREET	FILE NUMBER: D18-8972269	
DATE:	NOV., 2018		ATTACHMENT	WARD
DRAFTING:	O.K.		1	20