

All-Way Stop Control Review - Dale Avenue and Cromwell Road

Date: December 11, 2019
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 24, Scarborough-Guildwood

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 not authorize the installation of all-way stop control at the intersection of Dale Avenue and Cromwell Road as the existing conditions do not meet the warrant for the installation of such a traffic control device. This T-type intersection currently has a stop control for the northbound approach on Cromwell Road at Dale Avenue.

RECOMMENDATIONS

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

1. Scarborough Community Council not authorize all-way stop control at the intersection of Dale Avenue and Cromwell Road.

FINANCIAL IMPACT

There would be no financial impact associated with the staff recommendation.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

In response to a request from the Ward Councillor and a local resident, Transportation Services staff reviewed the feasibility of installing all-way stop control at the intersection of Dale Avenue and Cromwell Road.

Existing Conditions

The following characteristics describe this intersection located south of Lawrence Avenue East, east of Scarborough Golf Club Road, west of Galloway Road, and north of Kingston Road:

- Dale Avenue at Cromwell Road is a T-type, stop-controlled intersection with a "Stop" sign for the northbound approach on Cromwell Road at Dale Avenue.
- Cromwell Road is classified as a local road. This north-south road has a posted speed limit of 40 km/h.
- Dale Avenue, is an east-west local road, and has a posted 40 km/h speed limit.
- The surrounding land use mainly consists of single home residential units.

Analysis

An All-Way-Stop Control Warrant Study conducted on Tuesday, June 04, 2019 at the intersection of Dale Avenue and Cromwell Road during the two hours of 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	77	14	82/18
Warrant Requirements For Study Period Average For Minor Arterial 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.

This study has been evaluated using the updated warrant calculations as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 Road Safety Plan report.

The results of our study indicated that the technical warrants for the installation of an all-way stop control are not met.

For 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 all-way stop control at the subject intersection at this time.

Collision History

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

Alternate Recommendations

If, despite the findings above, the Scarborough Community Council determines that all-way stop control should be installed, it may approve the following as to form:

1. Scarborough Community Council authorize all-way stop control at the intersection of Dale Avenue and Cromwell Road.

The cost of installing all-way stop control is approximately \$1,200, including the implementation of required civil work. The funding for these signs is available in the Transportation Services Division's 2020 Interim Operating Budget.

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SIGNATURE

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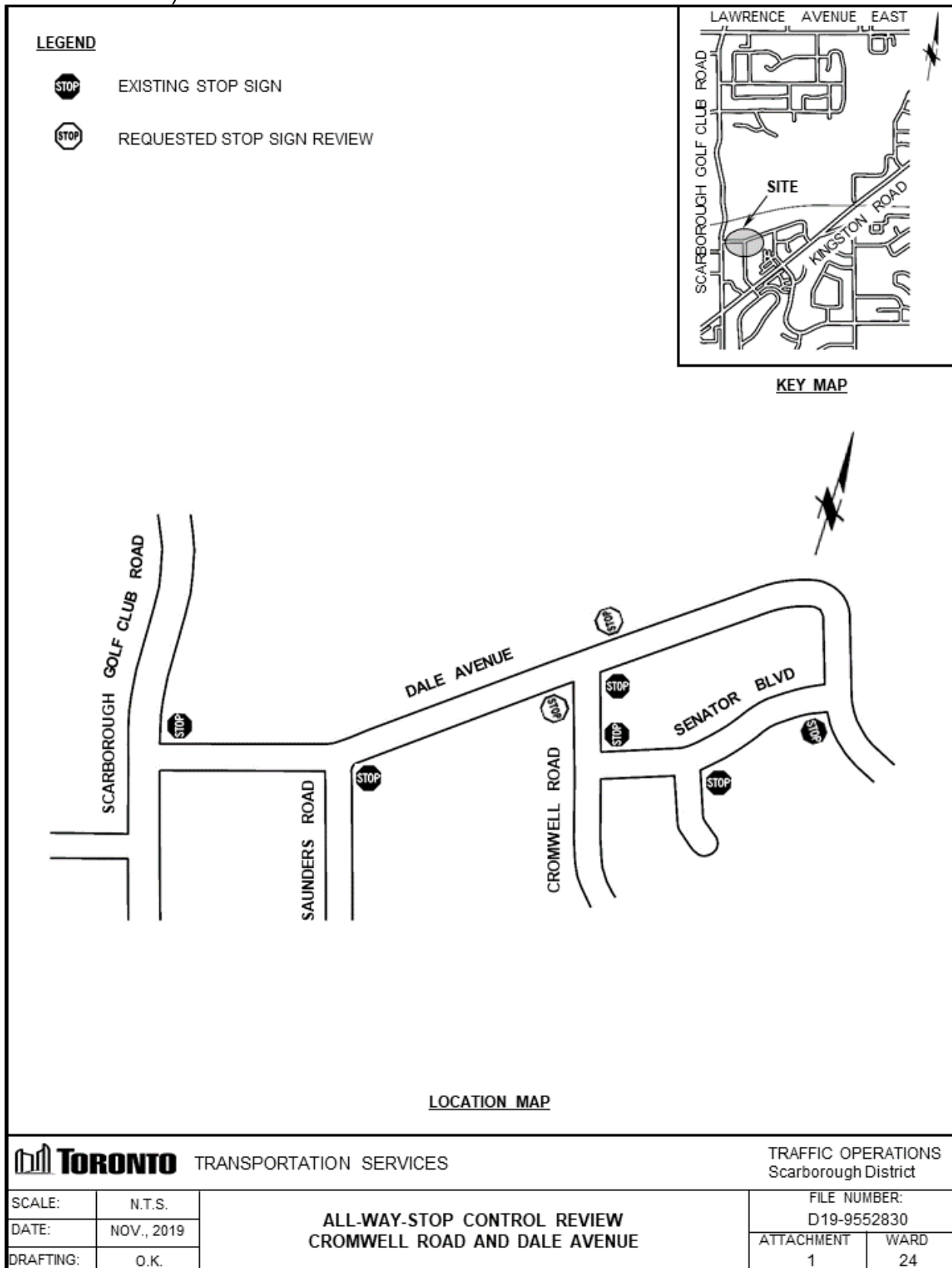
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ATTACHMENTS

1. Attachment 1: Location Plan (All-Way-Stop Control Review - Dale Avenue and Cromwell Road)

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TORONTO TRANSPORTATION SERVICES

TRAFFIC OPERATIONS
Scarborough District

SCALE:	N.T.S.
DATE:	NOV., 2019
DRAFTING:	O.K.

**ALL-WAY-STOP CONTROL REVIEW
CROMWELL ROAD AND DALE AVENUE**

FILE NUMBER: D19-9552830	
ATTACHMENT 1	WARD 24