

All-Way Stop Control – Avon Avenue and Avon Crescent

Date: June 8, 2020
To: Etobicoke York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 5 – York South-Weston

SUMMARY

This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

This report presents the results of Transportation Services' traffic study conducted at the intersection of Avon Avenue and Avon Crescent to determine the feasibility for all-way stop control. As the study results indicate the City's warrant for the installation of all-way stop control is met, all-way stop control is recommended at this intersection.

RECOMMENDATIONS

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

1. Etobicoke York Community Council authorize all-way stop control at the intersection of Avon Avenue and Avon Crescent.

FINANCIAL IMPACT

The estimated cost for the installation of the all-way stop control is \$800.00. These funds are available in the Transportation Services 2020 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services received a request from the Ward Councillor, on behalf of parents and faculty of Santa Maria Catholic School, to investigate the feasibility of installing all-way stop control at the intersection of Avon Avenue and Avon Crescent. A map of the area is shown on Attachment 2.

Avon Avenue and Avon Crescent are both two-lane roadways, classified in the City's Road Classification System as "local" roads. These streets are located in the residential community west of Weston Road and north of St Clair Avenue West. The regulatory speed limit on both streets is 40 km/h. There are sidewalks on both sides of Avon Crescent and a partial sidewalk on the west side of Avon Avenue. Avon Avenue, between Humber Boulevard and Avon Crescent is a designated Community Safety Zone (School Safety Zone) and the relevant upgrades have been implemented (i.e. pavement markings and speed boards). The subject location is a T-type intersection with a stop control for southbound motorists.

Santa Maria Catholic School is located on the north-east corner of Avon Avenue and Avon Crescent and includes school property access on the east side of Avon Avenue and the north side of Avon Crescent.

The justification for the installation of all-way stop control is subject to a technical warrant adopted by Toronto City Council based on collision history and traffic volume. To address the request for additional stop controls at the intersection of Avon Avenue and Avon Crescent, a four-hour intersection count was conducted during the morning and afternoon peak traffic periods on March 4, 2020. It should be noted that traffic crossing the major road (Avon Crescent) includes pedestrians and the pedestrian volume has been factored by 2 as per the revised City of Toronto All-Way Stop Warrant approved under the Vision Zero 2.0 – Road Safety Plan Update (Item [IE6.8](#)). The study results are summarized in Attachment 1.

In addition to these all-way stop control studies, staff reviewed the collision history at the intersection of Avon Avenue and Avon Crescent for the three-year period ending December 31, 2019. The Toronto Police Service collision records reveal that there have been no reported collisions at this intersection, however it is noted that there was a child hit by a vehicle mid-block on Avon Avenue in 2019.

Based on the results of the study and the collision history, the All-Way Stop Control Warrant has been met, and all-way stop control is recommended at the intersection of Avon Avenue and Avon Crescent.

The Ward Councillor has been advised of the recommendation of this report.

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SIGNATURE

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ATTACHMENTS

Attachment 1: Warrant for All-Way Stop Control (Avon Avenue and Avon Crescent.)
Attachment 2: Location Plan - Avon Avenue and Avon Crescent

Attachment 1 - Warrant for All-Way Stop Control

Study Location: Avon Avenue and Avon Crescent

Study Date: March 4, 2020

Four-Hour Study Period	Total Approach Vehicle Volume	Vehicle and Pedestrian Volume Crossing Major Road***	Unit Volume Split Major/Minor Roads***
7:30 a.m. to 8:30 a.m.	151	125	55/45
8:30 a.m. to 9:30 a.m.	160	133	55/45
4:00 p.m. to 5:00 p.m.	116	159	42/58
5:00 p.m. to 6:00 p.m.	117	166	64/36
Study Period Average	136	121*	53/47
Warrant Requirements	≥ 250	≥ 100	$\geq 30/70$ or $\leq 70/30$

*** New Pedestrian Warrant numbers used as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 report

* An average of 62 pedestrians per hour crossed the major road (Pedestrian volume crossing major street has been factored by 2 as per the revised City of Toronto All-Way Stop Warrant approved in Vision Zero 2.0 – Road Safety Plan)

To warrant the installation of an all-way stop control, the traffic volume requirements for the “Study Period Average” must be completely satisfied in either of the following two combinations of the above three categories:

“Total Approach Vehicle Volume” and “Unit Volume Split – Major/Minor Roads”
or

“Vehicle/Pedestrian Volume Crossing Major Road” and “Unit Volume Split - Major/Minor Roads”

Attachment 2: Location Plan - Avon Avenue and Avon Crescent

