

All-Way Stop Control - Dane Avenue at Mulholland Avenue/Via Bagnato

Date: January 17, 2019

To: North York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 8 - Eglinton-Lawrence

SUMMARY

This staff report is about a matter for which Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

Transportation Services is requesting North York Community Council to authorize the installation of all-way stop control at the intersection of Dane Avenue and Mulholland Avenue/Via Bagnato.

The installation of all-way stop sign control is warranted and is recommended to clearly establish right-of-way and enhance pedestrian, cyclist and vehicular safety.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that North York Community Council:

1. Authorize all-way compulsory stop control at the intersection of Dane Avenue and Mulholland Avenue/Via Bagnato.

FINANCIAL IMPACT

All costs associated with the installation of the all-way compulsory stop control at the intersection of Dane Avenue and Mulholland Avenue/Via Bagnato, estimated at \$1,000.00 are included within the Transportation Services 2019 Interim Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

At the request from the former Councillor Josh Colle, Transportation Services reviewed the feasibility of introducing all-way stop control at the intersection of Dane Avenue and Mulholland Avenue/Via Bagnato.

Dane Avenue is an east-west street that operates with two-way traffic. West of Mulholland Avenue/Via Bagnato, Dane Avenue is classified as a collector street and east of this intersection, it is classified as a local street. It has a posted speed limit of 40 km/h and a daily two-way traffic volume of approximately 2,700 vehicles. A sidewalk is provided on the south side of Dane Avenue and there is no TTC service provided on this street.

Mulholland Avenue and Via Bagnato are two-way local streets that are stop controlled at their intersection on the north and south sides of Dane Avenue, respectively. Both streets have a regulatory speed limit of 50 km/h. There are sidewalks on both sides of Via Bagnato. There are no sidewalks on Mulholland Avenue. There is no TTC service on either of these streets.

The land use at this intersection is generally residential, providing a mix of an established neighbourhood to the north with more recent significant development to the south. Additionally, Dane Avenue Child Care is located on the southwest corner of the intersection.

A review of the Toronto Police Service collision records over the three-year period ending September 30, 2018 disclosed there have been no collisions at this intersection.

In order for all-way stop control to be technically warranted, the warrant criteria adopted by City Council should be satisfied. The criteria includes collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major road, and the percentage of traffic on the major road.

Transportation Services undertook studies at this intersection on November 21, 2017 during the morning and afternoon peak periods to assess the feasibility of installing all-way stop control. The numerical study results are summarized in Table 1.

Table 1: All-Way Stop Control at Dane Avenue and Mulholland Avenue/Via Bagnato

	Dane Avenue and Mulholland Avenue/Via Bagnato	Actual	Required	Satisfied (YES/NO)
A	Collision History	0/3 yrs	9/3 yrs	NO
B1	Total Vehicle Volumes	442/avg hr	375/avg hr	YES
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road	137/avg hr	150/avg hr	NO
B3	Percentage of traffic on major road	70%	≤70%	YES
	Overall Warrant			YES

In order for all-way stop control to be justified either Warrant A must be met or Warrants B1 or B2 combined with Warrant B3 must be met. Our study results indicate an all-way stop control is justified as warrants B1 and B3 are satisfied.

Therefore, all-way stop control is recommended at the intersection of Dane Avenue and Mulholland Avenue/Via Bagnato. All-way stop control will reduce potential conflicts between pedestrians and motorists and will enhance the crossing environment for pedestrians at this intersection.

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

CONTACT

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SIGNATURE

Roger Browne
Acting Director

ATTACHMENTS

Attachment 1: Map - All-Way Stop Control - Dane Avenue and Mulholland Avenue/Via Bagnato