

All-Way Stop Control - Celt Avenue and Mulholland Avenue

Date: May 15, 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 Celt Avenue and Mulholland Avenue.

The installation of an all-way stop control is justified and recommended to clearly establish right-of-way and enhance pedestrian and driver safety.

RECOMMENDATIONS

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

1. Authorize all-way stop control at the intersection of Celt Avenue and Mulholland Avenue.

FINANCIAL IMPACT

All costs associated with the necessary sign installations are included within the Transportation Services 2019 Operating Budget.

DECISION HISTORY

This item addresses a new initiative.

COMMENTS

Transportation Services was requested by Councillor Mike Colle, on behalf of local residents, to review the need for all-way stop control at the intersection of Celt Avenue and Mulholland Avenue.

Celt Avenue and Mulholland Avenue are both 8.5-metre wide, two-way local streets with a 40 km/h speed limit. At their intersection, east-west traffic on Celt Avenue operates free flow and north-south traffic on Mulholland Avenue is stop controlled. There is a sidewalk on the south side of Celt Avenue. There are no sidewalks on Mulholland Avenue.

A review of the Toronto Police Service collision records revealed that over the three-year period ending December 31, 2018, there were four reported collisions at this intersection. None involved a pedestrian or cyclist. All four collisions were potentially preventable by all-way stop control.

The intersection of Celt Avenue and Mulholland Avenue was evaluated against the warrants for all-way stop control adopted by City Council. The warrants consist of four components, including collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major street and the percentage of traffic on the major street.

The warrant criteria was applied against a vehicle and pedestrian count undertaken at this intersection on April 30, 2019 during a.m. and p.m. peak periods and the above collision history. The study results are summarized in the following table:

Table 1: All-way Stop Control Warrant Criteria

Celt Avenue and Mulholland Avenue		Actual	Required	Satisfied (YES/NO)
A	Collision History	4/3 yrs.	6/3 yrs.	NO
B1	Total Vehicle Volume	237/avg hr	250/avg hr	NO
B2	Combined Vehicle & Pedestrian Volume Crossing Major Street	119/avg hr	100/avg hr	YES
B3	Percentage of Traffic on Major Street	51	≤70	YES
	Overall Warrant			YES

In order for the all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be met. Based on above, the technical warrants for the installation of all-way stop sign control are met at the

intersection of Celt Avenue and Mulholland Avenue. Therefore, it is recommended that all-way stop control be implemented at the intersection.

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

CONTACT

Bruce Clayton, Manager, Traffic Operations, Traffic Management, Transportation Services, Tel: 416-394-8409, Fax: 416-394-8942, Email: Bruce.Clayton@toronto.ca

SIGNATURE

Roger Browne, M.A. Sc., P.Eng
Acting Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - All Way Stop Control - Celt Avenue and Mulholland Ave

Attachment 1: Map - All-Way Stop Sign Control - Celt Avenue and Mulholland Avenue

