

All-Way Stop Control - Mildenhall Road and Dawlish Avenue

Date: May 22, 2019

To: North York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 15 - Don Valley West

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 Mildenhall Road and Dawlish Avenue.

The installation of an all-way stop control is justified and recommended to clearly establish right-of-way and to enhance pedestrian and vehicular 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 Mildenhall Road and Dawlish 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 Jaye Robinson, on behalf of local residents, to review the need for all-way stop control at the intersection of Mildenhall Road and Dawlish Avenue.

Mildenhall Road is an 8.5-metre wide collector street with a 40 km/h speed limit. Dawlish Avenue is 8.5-metre wide local street with a 30 km/h speed limit. At their intersection, north-south traffic on Mildenhall Road operates free flow and east-west traffic on Dawlish Avenue is stop controlled. There are no sidewalks on either street. There is no TTC service on either street.

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

The intersection of Mildenhall Road and Dawlish Avenue was evaluated against the warrants for all-way stop control as 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 16, 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 Warrant Criteria

Mildenhall Road and Dawlish Avenue		Actual	Required	Satisfied (YES/NO)
A	Collision History	3/3 yrs.	6/3 yrs.	NO
B1	Total Vehicle Volume	413/avg hr	250/avg hr	YES
B2	Combined Vehicle & Pedestrian Volume Crossing Major Street	109/avg hr	100/avg hr	YES
B3	Percentage of Traffic on Major Street	74	≤70	NO
	Overall Warrant			NO

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 achieved. Based on

above, the technical warrants for the installation of all-way stop control are not met at the intersection of Mildenhall Road and Dawlish Avenue.

However, both Warrants B1 and B2 are met and the overall warrant is not met only because the percentage of traffic on major street is slightly over the 70% maximum. Therefore, considering that the criteria are very close to being achieved, it is recommended that all-way stop be implemented at the intersection of Mildenhall Road and Dawlish Avenue.

Also, the above study revealed that some motorists are currently treating the intersection as though it were all-way stop controlled. This includes Mildenhall Road traffic stopping unnecessarily and Dawlish Avenue traffic assuming that Mildenhall Road traffic is required to stop. This confusion increases the potential for collisions, possibly exhibited by the three collisions at the intersection in the last three years. Designating all-way stop control would eliminate this confusion.

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

CONTACT

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SIGNATURE

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Acting Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - All-Way Stop Control - Mildenhall Road and Dawlish Avenue

Attachment 1: Map - All-Way Stop Sign Control - Mildenhall Road and Dawlish Avenue

