



**STAFF REPORT
ACTION REQUIRED**

All-Way Stop Control Review – Morrish Road and Euclid Avenue

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| Date: | May 25, 2016 |
| To: | Scarborough Community Council |
| From: | Director, Transportation Services, Scarborough District |
| Wards: | Ward 44 – Scarborough East |
| Reference Number: | P:\2016 \Cluster B\TRA\Scarborough\sc1642.docx D16-7568393 AWSC – Morrish Rd and Euclid Ave |

SUMMARY

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

This report recommends that an All-Way Stop Control not be installed on Morrish Road and Euclid Avenue. Although an all-way stop control is technically warranted, the offset of the school driveway from Euclid Avenue would create confusion and conflicts which would be potentially hazardous for pedestrian and motorists at this intersection. Currently, this location has a westbound stop sign on Euclid Avenue at Morrish Road.

RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Not authorize all-way compulsory stop control at the intersection of Morrish Road and Euclid Avenue.

Financial Impact

There would be no financial impact associated with the staff recommendation. However, should an all-way stop control be approved, then the financial cost of installing the two additional stop signs and associated pavement markings would be approximately \$900.00. The funds for such stop signs and pavement markings would be available in Transportation Services 2016 Operating Budget, within Cost Centre TP0397.

ISSUE BACKGROUND

As a result of a public request, Transportation Services staff reviewed the feasibility of installing an all-way stop control at the intersection of Morrish Road and Euclid Avenue.

COMMENTS

The following characteristics describe the area of Morrish Road and Euclid Avenue:

- This intersection is located west of Meadowvale Road and north of Ellesmere Road.
- Morrish Road is a two-lane collector road with a regulatory speed limit of 40 km/h.
- Euclid Avenue is a two-lane local road with a regulatory speed limit of 40 km/h.
- Currently, there is a westbound stop sign on Euclid Avenue at Morrish Road.
- A school crossing is located on Morrish Road, immediately south of Euclid Avenue.
- A school driveway is located on Morrish Road, immediately north of Euclid Avenue.
- Sidewalks are located the west side of Morrish Road and on the south side of Euclid Avenue.
- The land uses in this area are single family residential dwellings and a school (Cardinal Leger Catholic School).

All-Way Stop Control Warrant Study

Transportation Services staff conducted an All-Way Stop Control Warrant Study at the intersection of Morrish Road and Euclid Avenue during the morning and afternoon peak hours of a typical weekday (Tuesday, November 24, 2015). Below are the results of the study.

| All-Way Stop Control Warrant | A Total Approach Vehicle Volume | B Vehicle/Pedestrian Volume Crossing Major Road | C Unit Volume Split* Major/Minor Roads |
|---|---------------------------------------|--|--|
| Four Hour Study Period Average | 427 | 219 | 53/47 |
| Warrant Requirements For Study Period Average For Collector Roads | ≥ 375 | ≥ 150 | ≥ 30/70 or ≤ 70/30 |

* “Unit Volume Split”: Major Road Volume – Vehicles only.
Minor Road Volume – Vehicles plus pedestrians crossing the major road.

For an 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 and vehicle/pedestrian crossing volumes meet the requirements to install an all-way stop control at the subject intersection.

Although an All-Way Stop Control is technically warranted, the geometry of the intersection could make it an unsafe operation for motorists and pedestrians. The school driveway located on the west side of Morrish Road, which would form the west leg of the intersection, is offset approximately 15m to the north of Euclid Avenue. The southbound stop bar at this intersection, as a result, would be approximately 20m north of the existing school crossing and it would create confusion and conflicts between turning vehicles and pedestrians. This would likely be more hazardous than the current situation. Furthermore, the offset intersection would not permit the installation of stop signs and pavement markings in accordance with the Ontario Traffic Manual, the provincial standard.

A review of the collision records revealed that there have been no preventable collisions reported at this intersection during the five-year period ending December 31, 2014. The intersection collision record is not indicative of a safety issue at this time.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (All-Way Stop Control Review – Morrish Road and Euclid Avenue)