



**STAFF REPORT
ACTION REQUIRED**

**All-Way Stop Control Review – McGrath Court and
Tilley Drive**

Date:	January 29, 2016
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 44 – Scarborough East
Reference Number:	P:\2016\Cluster B\TRA\Scarborough\ sc1606.docx D14-6403327 McGrath Court and Tilley Drive, All-Way Stop Control

SUMMARY

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

It is recommended that an All-Way Stop Control not be installed on McGrath Court and Tilley Drive as existing conditions do not meet the warrant for the installation of such a traffic control device in terms of traffic volumes or delays. Currently, this location has a stop sign on the northbound leg of Tilley Drive at McGrath Court.

RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Not approve the installation of All-Way Stop Control at the intersection of McGrath Court and Tilley Drive.

Financial Impact

There would be no financial impact associated with the staff recommendation regarding an unwarranted all-way stop control. 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 \$500.00. The funds for such stop signs would be available in the recommended Transportation Services 2016 interim Operating Budget.

ISSUE BACKGROUND

As a result of a request from Councillor Ron Moeser in response to a petition submitted by area residents, Transportation Services staff reviewed the feasibility of installing an all-way stop control at the intersection of McGrath Court and Tilley Drive.

COMMENTS

The following characteristics describe the area of McGrath Court and Tilley Drive:

- This intersection is located east of Meadowvale Road, west of Port Union Road, south of Lawson Road and north of Lawrence Avenue East.
- McGrath Court and Tilley Drive are both two-lane local roads with a regulatory speed limit of 50 km/h.
- Currently, northbound traffic on Tilley Drive (south leg) is required to stop at McGrath Court and Tilley Drive (east leg).
- Sidewalks are located on at least one side of the road.
- The land use in this area is mainly single family residential dwellings.

All-Way Stop Control Warrant Study

Transportation Services staff conducted an All-Way Stop Control Warrant Study at the intersection of McGrath Court and Tilley Drive during the morning and afternoon peak hours of a typical weekday (Tuesday, September 16, 2014). 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
Two-Hour Study Period Average	38	15	63/37
Warrant Requirements For Study Period Average For Local Roads	≥ 250	≥ 100	≥ 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 do not meet the requirements to install an all-way stop control at the subject intersection at this time. However, should the warrant be met in the future, this would be a suitable location for all-way stop control.

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.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (All-Way Stop Control Review – McGrath Court and Tilley Drive)