



**STAFF REPORT
ACTION REQUIRED**

**All-Way Stop Control Review – Rouge River Drive and
Savanna Drive**

Date:	November 30, 2015
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 42 – Scarborough – Rouge River
Reference Number:	P:\2015\Cluster B\TRA\Scarborough\1612.docx D15-7272489 AWSC – Rouge River Drive and Savanna Drive

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 Rouge River Drive and Savanna Drive as existing conditions do not meet the required technical warrant for the installation of such a traffic control device in terms of traffic volumes or delays. Currently, this location has a southbound stop sign on Savanna Drive at Rouge River Drive.

RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Not approve the installation of an all-way stop control at the intersection of Rouge River Drive and Savanna 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 Operating Budget.

ISSUE BACKGROUND

As a result of a request from Councillor Raymond Cho on behalf of representatives from Alvin Curling Public School and area residents, Transportation Services staff reviewed the feasibility of installing an all-way stop control at the intersection of Rouge River Drive and Savanna Drive.

COMMENTS

The following characteristics describe the area of Rouge River Drive and Savanna Drive:

- This intersection is located east of Morningside Avenue, west of Meadowvale Road, and north of Sheppard Avenue East.
- Rouge River Drive is a two-lane collector road with a regulatory speed limit of 50 km/h.
- Savanna Drive is a two-lane local road with a regulatory speed limit of 50 km/h.
- Currently, southbound traffic on Savanna Drive is required to stop at Rouge River Drive.
- Sidewalks are located on both sides 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 Rouge River Drive and Savanna Drive during the morning and afternoon peak hours of a typical weekday (Wednesday, May 28, 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
Four-Hour Study Period Average	255	131	58/42
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 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 has been one preventable collision reported at this intersection during the five-year period ending December 31, 2014, which is not indicative of a safety issue.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (All-Way Stop Control Review – Rouge River Drive and Savanna Drive)