



STAFF REPORT ACTION REQUIRED

All-Way Stop Control – Winston Churchill Drive and Hunt Club Drive

Date:	April 22, 2015
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 36 – Scarborough Southwest
Reference Number:	P:\2015\Cluster B\TRA\Scarborough\sc1540.docx D14-6373520 AWSC – Winston Churchill Drive and Hunt Club 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.

This report responds to a Scarborough Community Council request for a report on the feasibility of installing an all-way stop control at the intersection of Winston Churchill Drive and Hunt Club Drive. The report shows that this intersection did not meet the required technical warrant for this type of traffic control.

It is recommended that an all-way stop control not be installed on Winston Churchill Drive and Hunt Club Drive as existing conditions do not meet the warrant for the installation such a traffic control device in terms of traffic volumes, delays or stop control spacing.

RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Receive this report for information.

Financial Impact

There would be no financial impact associated with the staff recommendation regarding the 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 Transportation Services 2015 Operating Budget, within Cost Centre TP0397.

ISSUE BACKGROUND

At its meeting of February 18, 2015, Scarborough Community Council requested the Director, Transportation Services, Scarborough District, to report back on the feasibility of the installation of a four-way stop control at Winston Churchill Drive and Hunt Club Drive, as per the following link:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2015.SC4.9>

COMMENTS

The following are the key characteristics describing the intersection of Winston Churchill Drive and Hunt Club Drive:

- This intersection is located within the community north of Kingston Road, south of Gerrard Street East, west of Warden Avenue and east of Victoria Park Avenue.
- Winston Churchill Drive is a two-lane local road with an un-posted default speed limit of 50 kilometres per hour and a daily traffic volume of approximately 357 vehicles per day. It has an 85th percentile speed of 41 km/h.
- Hunt Club Drive is a two-lane local road that intersects Winston Churchill Drive with an unsigned default speed limit of 50 kilometres per hour.
- Hunt Club Drive is stop-controlled at Winston Churchill Drive.
- There are sidewalks on both sides of Winston Churchill Drive and Hunt Club Drive.
- The land use in this neighbourhood is single family residential.

An all-way stop control is not recommended on Winston Churchill Drive and Hunt Club Drive since the subject intersection did not meet the warrant for such traffic control device is per City Council Policy.

All-Way Stop Control Warrant Study

A traffic study conducted at the intersection of Winston Churchill Drive and Hunt Club Drive during the morning and afternoon peak hours of a typical weekday (Tuesday, November 4, 2014), produced the following results:

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 Hourly Average	98	56	47/53
Warrant Requirements For Study Period Average For Collector 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 do not meet the requirements to install an all-way stop control at the subject intersection at this time. The spacing to adjacent stop controls along Winston Churchill Drive of approximately 80 metres is less than the minimum safe stopping distance of 90 metres, meaning that there is a risk that motorists may still run through the stop controls while trying to stop.

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, 2012.

CONTACT

Marko A. Oinonen, B.A.Sc., DPA, P. Eng.
Manager, Traffic Operations, Scarborough District
Tel: 416-396-714
Fax: 416-396-5641
E-Mail: moinone@toronto.ca

SIGNATURE

John Mende, P. Eng.
Director, Transportation Services, Scarborough District

SS:cr

ATTACHMENTS

1. Location Plan (All-Way Stop Control – Winston Churchill Drive and Hunt Club Drive)