

All Way Stop Control: Brookbanks Drive and Underhill Drive

Date:	February 14, 2011
To:	North York Community Council
From:	Director, Transportation Services Division, North York District
Wards:	Ward 34 Don Valley East
Reference Number:	<i>ny11051</i>

SUMMARY

As the Toronto Transit Commission (TTC) operates a transit service on Brookbanks Drive and Underhill Drive, City Council approval of this report is required.

To obtain approval to introduce an All Way Stop Control at the intersection of Brookbanks Drive and Underhill Drive.

The installation of an All Way Stop Control at the intersection of Brookbanks Drive and Underhill Drive will improve the pedestrian environment and right-of-way concerns.

RECOMMENDATIONS

Transportation Services Division, North York District, recommends that City Council:

1. Amend Schedule XVIII of By-law No. 31001, of the former City of North York, by deleting Brookbanks Drive as a through street, from the westerly limit of Parkwoods Village Drive to the easterly limit of the Don Valley Parkway;
2. Amend Schedule XVIII of By-law No. 31001 of the former City of North York, by designating Brookbanks Drive as a through street from the north limit of Underhill Drive to the west limit of Fenside Drive;
3. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop at the intersection of Brookbanks Drive and Underhill Drive, north and south of Underhill Drive; and

4. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop at the intersection of Brookbanks and Underhill Drive, east of Brookbanks Drive.

Financial Impact

All costs associated with the installation of an All Way Stop Control are included within the Transportation Services Division’s 2011 Operating Budget estimate.

ISSUE BACKGROUND

The Transportation Services Division, North York District, was requested by the Ward Councillor on behalf of a local resident to review the feasibility of installing an All Way Stop Control at the intersection of Brookbanks Drive and Underhill Drive. It has been reported that pedestrians are at risk when crossing the intersection from north to south within the channel lane for northbound right turning vehicles.

COMMENTS

Both Brookbanks Drive and Underhill Drive are classified as collector roads. Currently, only westbound traffic on Underhill Drive is required to stop at Brookbanks Drive.

To assess the existing traffic conditions at the intersection of Brookbanks Drive and Underhill Drive, this Division conducted an all way stop study on June 2, 2010, updated vehicle and pedestrian volumes, assessed the existing roadway geometry and collected intersection collision statistics.

The results of the study are as follows:

	Brookbanks Drive and Underhill Drive	Actual	Required	Satisfied (YES/NO)
<i>A</i>	Collision History	6/3 yrs	9/3 yrs	NO
<i>B1</i>	Total Vehicle Volumes	649	375/avg hr	YES
<i>B2</i>	Combined Vehicle & Pedestrian Volumes Crossing Major Road	278	150/avg hr	YES
<i>B3</i>	Percentage of Traffic on Major Road	57	≤70	YES
	Overall Warrant			YES

In order for the All Way Stop “Overall Warrant” to be warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be achieved.

The results of the All Way Stop study concluded that the warrants for the installation of an All Way Stop Control were satisfied based on: the collision history, the vehicle and pedestrian volumes crossing major road and the percentage of traffic on the major road.

A review of Toronto Police Services collision records revealed that in a three-year period ending Dec 31, 2009, there have been six collisions at this intersection of a type susceptible to correction by the installation of an All Way Stop Control.

In view of the above, this Division recommends the installation of an All Way Stop Control at the intersection of Brookbanks Drive and Underhill Drive in order to address the right-of-way concerns at this location.

The Ward Councillor has been advised of the recommendations contained in the report.

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SIGNATURE

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Director

ATTACHMENTS

Attachment 1: Map – All Way Stop Control: Brookbanks Drive and Underhill Drive