

All-Way Stop Control: Green Belt Drive and Nob Lane/Humphrey Gate

Date:	May 20, 2010
To:	North York Community Council
From:	Director, Transportation Services, North York District
Wards:	Ward - 34, Don Valley East
Reference Number:	<i>ny10067</i>

SUMMARY

This report is about a matter for which the Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

At its meeting of April 27, 2010, North York Community Council directed the Transportation Services Division to report to the North York Community Council meeting of May 25, 2010, on the feasibility of installing an all-way stop control at the intersection of Green Belt Drive and Nob Lane/Humphrey Gate.

The installation of all-way stop control at the intersection of Green Belt Drive and Nob Lane/Humphrey Gate will establish right-of-way controls for vehicles and improve the environment for pedestrians crossing at this location.

RECOMMENDATIONS

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

1. Amend Schedule XVIII of By-law No. 31001, of the former City of North York, to delete the Through Highways designation for Green Belt Drive from the easterly limit of Don Mills Road to the easterly limit of Nob Lane;
2. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop at the intersection of Green Belt Drive and Nob Lane/Humphrey Gate, on Green Belt Drive east and west of Nob Lane/Humphrey Gate;

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 Green Belt Drive and Nob Lane/Humphrey Gate, on Nob Lane north of Green Belt Drive;
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 Green Belt Drive and Nob Lane/Humphrey Gate, on Humphrey Gate south of Green Belt Drive; and
5. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop at the intersection of Green Belt Drive and Dallimore Circle, on Dallimore Circle south of Green Belt Drive.

Financial Impact

All costs associated with the installation of all-way stop control at this location will be included within the Transportation Services Division's 2010 Operating Budget.

COMMENTS

The area residents have requested the Transportation Services Division, North York District, to review the feasibility of installing all-way stop control at the intersection of Green Belt Drive and Nob Lane/Humphrey Gate.

Currently, northbound and southbound traffic is required to stop at Green Belt Drive on Humphrey Gate and Nob Lane, respectively. The closest protected crossing for pedestrians to cross Green Belt Drive is located approximately 500 metres to the west at Don Mills Road. There is a sidewalk on the south side of Green Belt Drive.

To assess existing traffic conditions, Traffic Operations have conducted an all-way stop study at the intersection of Green Belt Drive and Nob Lane/Humphrey Gate based on the warrant requirements for local roads. This division updated vehicle and pedestrian volumes, assessed the existing roadway geometry and collected intersection collision statistics.

The results of the study are as follows:

Green Belt Drive and Nob Lane/Humphrey Gate		Actual	Required	Satisfied (YES/NO)
A:	Collision History	1/3 yrs	6/3 yrs	NO
B1:	Total Vehicle Volumes	216	250/avg hr	NO
B2:	Combined Vehicle & Pedestrian Volumes Crossing Major Road	118	100/avg hr	YES
B3:	Percentage of Traffic on Major Road	50 %	=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.

In view of the study results, the combined vehicle and pedestrian volume crossing Green Belt Drive in the peak hour average (118) exceeds the minimum of 100 required. In addition, the percentage of the volume approaching the intersection on the major road is 50 percent of the total volume whereas less than 70 percent of the total volume satisfies the requirement for all-way stop control. In this regard, the installation of an all-way stop control at this intersection is warranted.

The Transportation Services Division supports the installation of all-way stop control at the intersection of Green Belt Drive and Nob Lane/Humphrey Gate. The installation of all-way stop control will establish right-of-way control for vehicles approaching the intersection and improve the environment for pedestrians crossing at this location.

Councillor Minnan-Wong supports the recommendations of this report.

CONTACT

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SIGNATURE

Myles Currie, Director

ATTACHMENTS

Attachment 1: Location Map, All-Way Stop Control – Green Belt Drive and Nob Lane/Humphrey Gate (*ny10067_map*)