



**STAFF REPORT
ACTION REQUIRED**

All-Way Stop Control: Dudley Avenue at Holmes Avenue

Date:	February 28, 2007
To:	North York Community Council
From:	Director, Transportation Services, North York District
Wards:	Ward 23 – Willowdale
Reference Number:	p:\2007\ClusterB\TRA\NorthYork\nycc07033tsny (AFS 4365)

SUMMARY

To obtain approval to introduce an all-way stop control at the intersection of Dudley Avenue at Holmes Avenue.

The installation of an all-way stop control at the intersection of Dudley Avenue at Holmes Avenue will address the existing right-of-way conflicts at this intersection.

RECOMMENDATIONS

Transportation Services, North York District recommends that:

1. Schedule XIX of By-law 31001, of the former City of North York, be amended to require traffic to stop on Dudley Avenue, north and south of Holmes Avenue;
2. Schedule XIX of By-law 31001, of the former City of North York, be amended to require traffic to stop on Holmes Avenue, east and west of Dudley Avenue;
3. Schedule XVIII of By-law No. 31001, of the former City of North York, be amended to designate Holmes Avenue as a through street between the easterly limit of Kenneth Avenue to the westerly limit of Dudley Avenue;
4. Schedule XVIII of By-law No. 31001, of the former City of North York, be amended to designate Holmes Avenue as a through street between the easterly limit of Dudley Avenue to the westerly limit of Willowdale Avenue;

5. Schedule XVIII of By-law No. 31001, of the former City of North York, be amended to delete Dudley Avenue as a through street between the northerly limit of Byng Avenue to the southerly limit of Finch Avenue;
6. Schedule XVIII of By-law No. 31001, of the former City of North York, be amended to designate Dudley Avenue as a through street between the southerly limit of Finch Avenue to the northerly limit of Holmes Avenue; and
7. the appropriate City officials be authorized to take whatever action is necessary to give effect to the foregoing, including the introduction in Council of any Bills that are required.

FINANCIAL IMPACT

All costs associated with the installation of an all-way stop control at Dudley Avenue and Holmes Avenue are included within the Transportation Services Division, North York District's 2007 Operating Budget estimates.

ISSUE BACKGROUND

The Transportation Services Division, North York District was requested by Councillor John Filion, on behalf of area residents, to consider the installation of all-way stop control at the intersection of Dudley Avenue at Holmes Avenue.

COMMENTS

Dudley Avenue and Holmes Avenue are both classified as local roadways. The regulatory speed limit on both Dudley Avenue and Holmes Avenue is 50 km/h.

Currently, eastbound and westbound traffic on Holmes Avenue is required to stop at Dudley Avenue. There are stop controls on Dudley Avenue two blocks to the north at Finch Avenue and one block to the south at Byng Avenue.

To assess existing traffic conditions, this Division conducted an all-way stop study. During the completion of the study, staff recorded the total volume of traffic which utilized the intersection, observed delays and right-of-way conflicts and noted the intersection geometry.

The following table illustrates the results of the study:

Dudley Avenue at Holmes Avenue	Actual	Required	Satisfied (YES/NO)
Collision History (three year review)	8/3 years	6/3 years	YES
Total Vehicle Volumes	359	250	YES
Vehicle & Pedestrian Volumes Crossing Major Road	53	100	NO
Percent of Traffic on Major Road	85	= 70	NO
Overall Warrant			YES

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 warrant. In reviewing the most recent three-year collision history (June 1, 2003 to June 30, 2006) for this intersection, there have been eight collisions susceptible to correction by the installation of an all-way stop control.

Motorist and pedestrian sightlines were found to be clear and unobstructed for all approaches.

Councillor John Filion has been advised of the recommendations in this staff report.

CONTACT

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SIGNATURE

Roberto Stopnicki, P. Eng.
Director

ATTACHMENTS

Attachment 1: Map – All-Way Stop Control, Almore Avenue and Yeomans Road
(nycc07033sny_map)