

All Way Stop Control: Kingsdale Avenue and Dudley Avenue

Date:	February 11, 2010
To:	North York Community Council
From:	Director, Transportation Services Division, North York District
Wards:	Ward 23 – Willowdale
Reference Number:	<i>ny10032</i>

SUMMARY

This staff report is about a matter that 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.

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

The installation of all-way stop control at the intersection of Kingsdale Avenue and Dudley Avenue will address the existing right-of-way conflicts for motorists and pedestrians.

RECOMMENDATIONS

Transportation Services Division recommends that North York Community Council:

1. Amend Schedule XVIII of By-law 31001, of the former City of North York, by deleting Kingsdale Avenue as a through street, from the easterly limit of Kenneth Avenue to the westerly limit of Willowdale Avenue;
2. Amend Schedule XIX of By-law 31001, of the former City of North York, to require traffic to stop on Kingsdale Avenue, east and west of Dudley Avenue; and

3. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop on Dudley Avenue, north and south of Kingsdale Avenue.

FINANCIAL IMPACT

All costs associated with the installation of all way stop control are included within the Transportation Services Division's 2010 Operating Budget estimates.

ISSUE BACKGROUND

The Transportation Services Division, North York District was requested by an area resident to consider the feasibility of installing an all way stop control at the intersection of Kingsdale Avenue and Dudley Avenue, in order to address existing intersection right-of-way conflicts.

COMMENTS

Kingsdale Avenue and Dudley Avenue are classified as local roads. Kingsdale Avenue and Dudley Avenue have a regulatory speed limit of 40 km/h.

Currently, northbound and southbound traffic on Dudley Avenue is required to stop at Kingsdale Avenue. Traffic on Kingsdale Avenue is required to stop one block to the west and east at Kenneth Avenue and Willowdale Avenue, respectively.

In order 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 conflict concerns.

The following table illustrates the results of the study:

Kingsdale Avenue and Dudley Avenue		Actual	Required	Satisfied (YES/NO)
A	Collision History (three year review)	9/3 yrs	6/3 yrs	YES
B1	Total Vehicle Volumes	108	250/avg hr	NO
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road	24	100/avg hr	NO
B3	Percentage of Traffic on Major Road	80	=70	NO
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 of the intersection.

In reviewing the most recent three-year collision history (January 1, 2007 to December 31, 2009), there have been a total of nine collisions susceptible to correction by the installation of all-way stop control. Motorist and pedestrian sightlines were found to be clear and unobstructed for all approaches.

In view of the above, this division recommends that an all way stop control be installed at the intersection of Kingsdale Avenue and Dudley Avenue.

The installation of all way stop control at Kingsdale Avenue and Dudley Avenue will address the resident's concern regarding right-of-way conflicts at this location.

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

CONTACT

Jay Malone
Supervisor, Traffic Operations
Transportation Services Division, North York District
Tel: 416-395-7466
Fax: 416-395-7544
Email: jcmalone@toronto.ca

SIGNATURE

Myles Currie, B.A.
Director

ATTACHMENTS

Attachment 1: Map – All Way Stop Control: Kingsdale Av and Dudley Av
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