

All-Way Stop Control: Gerald Street and Forest Heights Boulevard

Date:	December 4, 2009
To:	North York Community Council
From:	Director, Transportation Services Division, North York District
Wards:	Ward 25 – Don Valley West
Reference Number:	<i>ny10002</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 an all-way stop control at the intersection of Gerald Street and Forest Heights Boulevard.

The installation of an all-way stop control at the intersection of Gerald Street and Forest Heights Boulevard will address the existing right-of-way concerns.

RECOMMENDATIONS

Transportation Services Division recommends that North York Community Council:

1. Amend Schedule XVIII of By-law No. 31001, of the former City of North York, by deleting Gerald Street as a through street, from the southerly limit of Forest Heights Boulevard to the southerly limit of Wimpole Drive;
2. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop on Gerald Street, north and south of Forest Heights Boulevard; and
3. Amend Schedule XIX of By-law No. 31001, of the former City of North York, to require traffic to stop on Forest Heights Boulevard, east and west of Gerald Street.

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 was requested by Councillor Cliff Jenkins, on behalf of an area resident, to consider the installation of all-way stop control at the intersection of Gerald Street and Forest Heights Boulevard, in order to address existing right-of-way concerns.

COMMENTS

Gerald Street and Forest Heights Boulevard are classified as local roads. Gerald Street and Forest Heights Boulevard have a regulatory speed limit of 50 km/h. Currently, east and west bound traffic on Forest Heights Boulevard is required to stop at Gerald Street. Traffic on Gerald Street is required to stop one block to the north and south of Forest Heights Boulevard at Wimpole Drive and Old Colony Road, 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 conflicts and noted the intersection geometry.

The following table illustrates the results of the study:

	Forest Heights Boulevard at Gerald Street	Actual	Required	Satisfied (YES/NO)
A	Collision History (three year review)	0/3 yrs	6/3 yrs	NO
B1	Total Vehicle Volumes	308	250/avg hr	YES
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road	93	100/avg hr	NO
B3	Percentage of Traffic on Major Road	70	≤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 "Vehicle & Pedestrian Volumes Crossing Major Road" and the fact that the vehicle volume split does not exceed 70 percent.

In reviewing the most recent three-year collision history (January 1, 2006 to December 31, 2008), there have been 'zero' 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.

In view of the above, we recommend the installation of an all-way stop control at the intersection of Gerald Street and Forest Heights Boulevard, in order to address the right-of-way concerns at this location. The installation of all-way stop control at the intersection of Forest Heights Boulevard and Gerald Street will not impact the flow of traffic in the adjacent community.

Councillor Cliff Jenkins has been advised of the recommendations in this staff report.

CONTACT

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SIGNATURE

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Director

ATTACHMENTS

Attachment 1: Map – All Way Stop Control: Gerald St and Forest Heights Blvd
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