

All Way Stop Control: Hanna Road and Randolph Road

Date:	May 25, 2010
To:	North York Community Council
From:	Director, Transportation Services Division, North York District
Wards:	Ward 26 – Don Valley West
Reference Number:	<i>ny10068</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 for the installation of an all way stop control at the intersection of Hanna Road and Randolph Road, and for the removal of the existing pedestrian crossover (PXO).

The installation of the all way stop control, coincidental with the removal of the PXO, would better serve the needs of pedestrians crossing the roadways.

RECOMMENDATIONS

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

1. Amend the existing by-laws to establish an all way stop control at the intersection of Hanna Road and Randolph Road; and
2. Amend the existing by-law to remove the pedestrian crossover on Hanna Road at its intersection with the production westerly of the southerly limit of Randolph Road.

Financial Impact

All costs associated with the installation of the all way stop control and the removal of the existing pedestrian crossover, estimated at approximately \$5,000.00, are included within the Transportation Services Division's 2010 Operating Budget.

ISSUE BACKGROUND

Transportation Services Division, North York District, has reviewed a request from Councillor John Parker to investigate the feasibility of installing an all way stop control at the intersection of Hanna Road and Randolph Road. It has been reported that motorists on Hanna Road turn sharply onto Randolph Road and also that motorists on Randolph Road frequently fail to stop when turning onto Hanna Road.

As the intersection of Hanna Road and Randolph Road is adjacent to the access to Rolph Road Day School, the existing pedestrian cross over (PXO) has been reported to not provide a suitable environment for pedestrians, particularly for children, to cross Hanna Road at this location.

COMMENTS

The intersection of Hanna Road and Randolph Road forms a 'T' at the east flank of Rolph Day School. Currently, westbound traffic on Randolph Road is required to stop at Hanna Road and traffic is required to stop on Hanna Road, one block to the north and south of Randolph Road at Sutherland Drive and Southvale Drive, respectively. There is a pedestrian crossover on Hanna Road immediately south of Randolph Road.

Hanna Road and Randolph Road are classified as local roads with regulatory speed limits of 40 km/h.

To assess existing traffic conditions, Traffic Operations conducted an all way stop study at the intersection of Hanna Road and Randolph Road on October 28, 2009. This division updated the vehicle and pedestrian volumes, assessed the existing roadway geometry and collected intersection collision statistics.

The results of the study are as follows:

Hanna Road and Randolph Road		Actual	Required	Satisfied (YES/NO)
A:	Collision History	1/3 yrs	6/3 yrs	NO
B1:	Total Vehicle Volumes	194	250/avg hr	NO
B2:	Combined Vehicle & Pedestrian Volumes Crossing Major Road	101	100/avg hr	YES
B3:	Percentage of Traffic on Major Road	52 %	=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 are satisfied at this intersection as the combined vehicle and pedestrian volume crossing the major road is greater than 100 and the percentage of traffic on the major road is less than 70 percent.

The installation of the all way stop control would require the removal of the existing pedestrian crossover due to the conflicting right-of-way requirements at the intersection.

In view of the above, Transportation Services Division, North York District recommends the installation of an all way stop control at the intersection of Hanna Road and Randolph Road coincident with the removal of the PXO.

Councillor John Parker supports the recommendations of this staff report.

CONTACT

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SIGNATURE

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Director

ATTACHMENTS

Attachment 1: Map – All Way Stop Control Hanna Rd and Randolph Rd (*ny10068_map*)