

All-way stop control Review - Troutbrooke Drive and Linthurst Avenue

Date: October 18, 2016
To: North York Community Council
From: Director, Transportation Services, North York District
Wards: Ward 9 - York West

SUMMARY

This staff report is about a matter for which 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.

Transportation Services is requesting North York Community Council to adopt staff's recommendation to deny the installation of all-way stop control at the intersection of Troutbrooke Drive and Linthurst Avenue.

The installation of an all-way stop control at the intersection of Troutbrooke Drive and Linthurst Avenue is not justified as the total volume of vehicles and pedestrians crossing the main street (Troutbrooke Drive) is insufficient to warrant the installation of all-way stop control.

RECOMMENDATIONS

Transportation Services recommends that North York Community Council:

1. Deny the installation of an all-way compulsory stop control at the intersection of Troutbrooke Drive and Linthurst Avenue.

FINANCIAL IMPACT

There are no financial implications with the adoption of this report. Should the recommendations of this report be overturned, the installation of all-way stop control at this intersection would cost approximately \$1500.00.

DECISION HISTORY

A review of our records has indicated that this matter has not been previously dealt with by North York Community Council.

COMMENTS

Troutbrooke Drive and Linthurst Avenue are designated as local roads with a regulatory speed limit of 40 km/h. Northbound traffic on Linthurst Avenue is required to stop at Troutbrooke Drive and eastbound and westbound traffic on Troutbrooke Drive is free flow. The geometry of the intersection forms a typical T-type intersection, with the cross street connecting to the main street from the south. Currently sidewalks are located on the south side of Troutbrooke Drive and on the east side of Linthurst Avenue. Beverly Heights Middle School is located on the southeast corner of the intersection.

In order to assess the feasibility of installing an all-way stop control, we reviewed existing traffic conditions at the intersection of Troutbrooke Drive and Linthurst Avenue.

The warrants for the installation of an all-way stop control consist of four components; collision hazard, total vehicular volume, combined vehicular and pedestrian volumes crossing the major roadway and vehicle volume split. The results of the most recent studies conducted this year are as follows:

Table 1: All-way stop control Study - Recent

	Troutbrooke Drive and Linthurst Avenue	Actual	Required	Satisfied (YES/NO)
A	Collision History	0/3 yrs.	6/3 yrs.	NO
B1	Total Vehicle Volumes	166	250/avg. hr	NO
B2	Combined Vehicle and Pedestrian Volumes Crossing Major Road	11	100/avg. hr	NO
B3	Percentage of Traffic on Major Road	94	< 70	NO
	Overall Warrant			NO

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 conclude that the warrants for the installation of an all-way stop control were not satisfied given that the Collision History (0) and Total Vehicle Volumes (166) or Combined Vehicles and Pedestrian Volumes Crossing Major Road (11) did not exceed the required threshold.

A further review of Toronto Police Service collision records revealed that in a ten year period ending December 31, 2015, there have been no collisions at this intersection.

Motorists and pedestrians sightlines were found to be clear and unobstructed for all approaches.

A review of our records has indicated that a previous review for the installation of an all-way stop control was conducted in April 2010. The results of this study are as follows:

Table 2: All-way stop control Study Conducted in April 2010

	Troutbrooke Drive and Linthurst Avenue	Actual	Required	Satisfied (YES/NO)
A	Collision History	0/3 yrs.	6/3 yrs.	NO
B1	Total Vehicle Volumes	188	250/avg. hr	NO
B2	Combined Vehicle and Pedestrian Volumes Crossing Major Road	3	100/avg. hr	NO
B3	Percentage of Traffic on Major Road	99	< 70	NO
	Overall Warrant			NO

A comparison of the current results and the previous results indicated that the traffic patterns have not altered significantly in the past six years.

The Ward Councillor has been advised of the recommendations contained in this staff report.

CONTACT

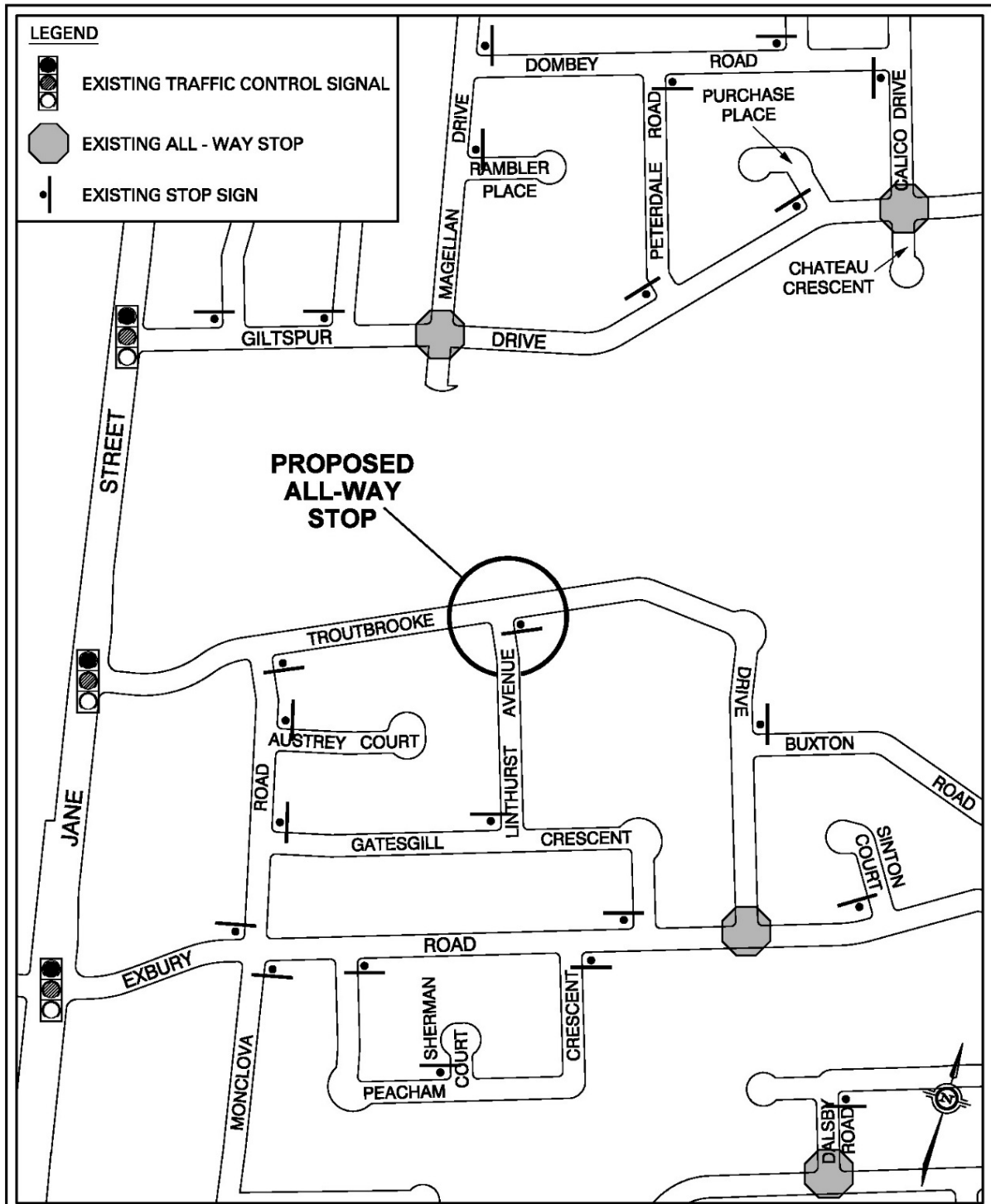
Shawn Dillon
Manager, Traffic Operations
Transportation Services Division, North York District
Tel: 416-395-7463 Fax: 416-395-7544
Email: sdillon2@toronto.ca
ny16099

SIGNATURE

Jacqueline White, P.Eng.
Director

ATTACHMENTS

Attachment 1: Map – Troutbrooke Drive and Linthurst Avenue



		Transportation Services		North York District	
SCALE: N. T. S.		TROUTBROOKE DRIVE & LINHURST AVENUE ALL-WAY STOP CONTROL		FILE NUMBER: NYRD16 - 0059.DGN	
DATE: OCT. 2016				ATTACHMENT 1	WARD 9
DRAFTING: A. A.					