



**STAFF REPORT
ACTION REQUIRED**

All-Way Stop Control – Logan Avenue at Withrow Avenue

Date:	October 25, 2013
To:	Toronto and East York Community Council
From:	Director, Transportation Services, Toronto and East York District
Wards:	Toronto-Danforth, Ward 30
Reference Number:	Ts2013199te.top.doc

SUMMARY

This staff report is about a matter for which Toronto and East York Community Council has delegated authority from City Council to make a final decision.

Transportation Services is responding to a request from Toronto and East York Community Council to investigate and report on the feasibility of replacing the existing pedestrian crossover at the intersection of Logan Avenue at Withrow Avenue with all-way stop control.

Our assessment revealed that all-way stop control is not warranted because the vehicle and pedestrian volumes and collision history does not satisfy the warrant criteria. The existing pedestrian crossover is satisfying the need of pedestrians crossing Logan Avenue.

RECOMMENDATIONS

Transportation Services recommends that Toronto and East York Community Council:

1. Not approve all-way stop sign control at the intersection of Logan Avenue and Withrow Avenue.

Financial Impact

Adoption of the above recommendation will not result in any financial impact.

ISSUE BACKGROUND

Toronto and East York Community Council at its meeting on June 18, 2013, requested the General Manager of Transportation Services to report to Toronto and East York Community Council on the feasibility and desirability of implementing all-way stop sign control at the intersection of Logan Avenue and Withrow Avenue (Item TE25.117).

COMMENTS

Logan Avenue, between Gerrard Street East and Danforth Avenue, is a collector road operating one-way northbound with a posted speed limit of 40 km/h. Withrow Avenue is a local road operating one-way westbound from Pape Avenue to Broadview Avenue. Logan Avenue and Withrow Avenue intersect to form a four-leg intersection with right-of-way controlled by a stop sign for westbound traffic on Withrow Avenue. A pedestrian crossover is designated on the north leg of the intersection and a school crossing guard is assigned during school arrival and dismissal times. The intersection of Logan Avenue and Withrow Avenue is located 103 metres north of the all-way stop sign controlled intersection at Logan Avenue and Riverdale Avenue and 97 metres south of the all-way stop sign controlled intersection at Logan Avenue and Bain Avenue. There is no TTC service on either Logan Avenue or Withrow Avenue.

Analysis

A review of the Toronto Police Service collision data records for the three-year period ending July 31, 2013, did not reveal any reported collisions at this intersection.

In order for all-way stop sign control to be justified at an intersection, established warrant criteria must be satisfied. The criteria, as approved by City Council, include such factors as right-of-way conflicts, collision history, vehicular and pedestrian usage of the intersection.

Transportation Services has applied the results of a recent vehicle/pedestrian count conducted at the intersection along with Toronto Police Service collision records, to the all-way stop installation criteria. The results are shown in the following table:

Present Condition	Total Vehicle Volume All Approaches (Require 375, each of 4 hrs.)	Vehs. & Peds. Crossing Through Street (Require 150, Each of 4 hrs.)	Volume Split (< than 70% /30%)	Collision Hazard (> 3/yr.)	All-way "Stop" Warrants Satisfied (Yes/No)
Westbound "Stop" sign on Withrow Ave., PXO on Logan Ave. north of Withrow Ave.	289	120	65%/35%	0/yr	No

The low number of vehicles and pedestrians entering this intersection does not satisfy the technical warrants, as adopted by City Council, for the installation of all-way stop sign control at the intersection of Logan Avenue and Withrow Avenue.

Pedestrian Crossover

The function of a pedestrian crossover is to provide a clearly marked area where pedestrians can cross a roadway with maximum efficiency and safety. A review to assess any deficiencies in the operational and physical suitability of the pedestrian crossover at this location was carried out. By comparing the operation of the pedestrian crossover to provincially adopted "environmental standards" we determined whether this pedestrian crossover is operating under acceptable conditions. The standards and the comparative characteristics are found in Appendix A.

Based on this review the existing pedestrian crossover is operating under satisfactory conditions.

Furthermore, City Council in 2006 adopted a report recommending that pedestrian crossovers be enhanced with larger and additional flashing amber beacons and "zebra stripe" pavement markings. These additional safety features are scheduled to be installed in 2014 at the pedestrian crossover on Logan Avenue at Withrow Avenue.

CONTACT

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SIGNATURE

Jacqueline White, P.Eng.
Director, Transportation Services
Toronto and East York District

LIST OF ATTACHMENTS

- (1) Drawing No. 421G-1237, dated October 2013
- (2) Appendix A - Pedestrian Crossover Environmental Standards

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