

Traffic Control Signals – 71/75 Rexdale Boulevard

Date: March 2, 2017
To: Etobicoke York Community Council
From: Director, Transportation Services, Etobicoke York District
Wards: Ward 2 – Etobicoke North

SUMMARY

This report recommends that traffic control signals be approved at the driveway at 71/75 Rexdale Boulevard. The assessment by the consultant hired by Toronto Hydro concludes that based on the projected signal warrant when Toronto Hydro occupies the property at 71 Rexdale Boulevard, traffic control signals will be warranted at that time (2017).

Since the TTC operates bus service on Rexdale Boulevard, City Council approval of this report is required.

RECOMMENDATIONS

The Director, Transportation Services, Etobicoke York District recommends that:

1. City Council approve the installation of traffic control signals on Rexdale Boulevard at the driveway to 71/75 Rexdale Boulevard.

FINANCIAL IMPACT

There is no financial impact associated with this report as the installation of the traffic control signals at the driveway along with the cost for future maintenance will be the responsibility of Toronto Hydro.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

According to the City of Toronto's road classification system, Rexdale Boulevard is classified as a 'Major Arterial' road. The statutory speed limit is 60 km/h and the TTC provides bus service on Rexdale Boulevard. Traffic control signals exist 170 metres to the east at Bergamot Avenue and 410 metres to the west at Kipling Avenue. The driveway in question provides access for Toronto Hydro (future), XTL Transport and a place of worship. A small driveway to an apartment exists on the north side which will also be included within this signal. A map of the area is attachment 1.

Transportation Services staff reviewed the signal warrant analysis projected as part of a report provided by the consultant working for Toronto Hydro which reveals a positive warrant for traffic control signals at the driveway to 71 and 75 Rexdale Boulevard once the property is fully occupied in 2017.

Using traffic volumes recorded over the peak eight hours of a typical weekday (Friday, June 10, 2016, 6:00 a.m. to 9:00 a.m., 12:00 p.m. to 5:00 p.m.), the following results were obtained.

Traffic Control Signal Warrant	Compliance Level (Projected)
Minimum Vehicular Volume	81%
Delay To Cross Traffic	81%

The warrant for traffic control signals consists of two main categories, "Minimum Vehicular Volume" and "Delay To Cross Traffic", and either one of these must be 100% fulfilled or at least 80% in both. The percentages achieved as a future traffic condition following occupation of the property by Toronto Hydro is projected as 81% and 81%, respectively. Based on these results, the installation of traffic control signals are justified as the Warrant requirements are satisfied.

A review of the collision history at this location reveals that during the past three years for which we have complete data from January 1, 2013 to December 31, 2015, there has been three reported collision that would be considered preventable with the installation of Traffic Control Signals.

Based on the results of the studies, the installation of Traffic Control Signals at the driveway of 71/75 Rexdale Boulevard is technically justified as the Warrant requirements are satisfied under future conditions. Toronto Hydro and/or the adjacent property owners will provide all costs associated with the installation as well as upfront lump sum for the ongoing maintenance of the Traffic Control Signals at their driveway.

The TTC has been consulted regarding this matter and has expressed concerns with the installation based on the proximity of the traffic control signals 170 metres to the east at Bergamot Avenue and the potential delays to their buses. Ideally a minimum of 215 metres between signals is preferred. To mitigate these delays, these new signals

will be semi-actuated and will only change from a green on Rexdale Boulevard when a vehicle or pedestrian is waiting to cross from the driveways.

CONTACT

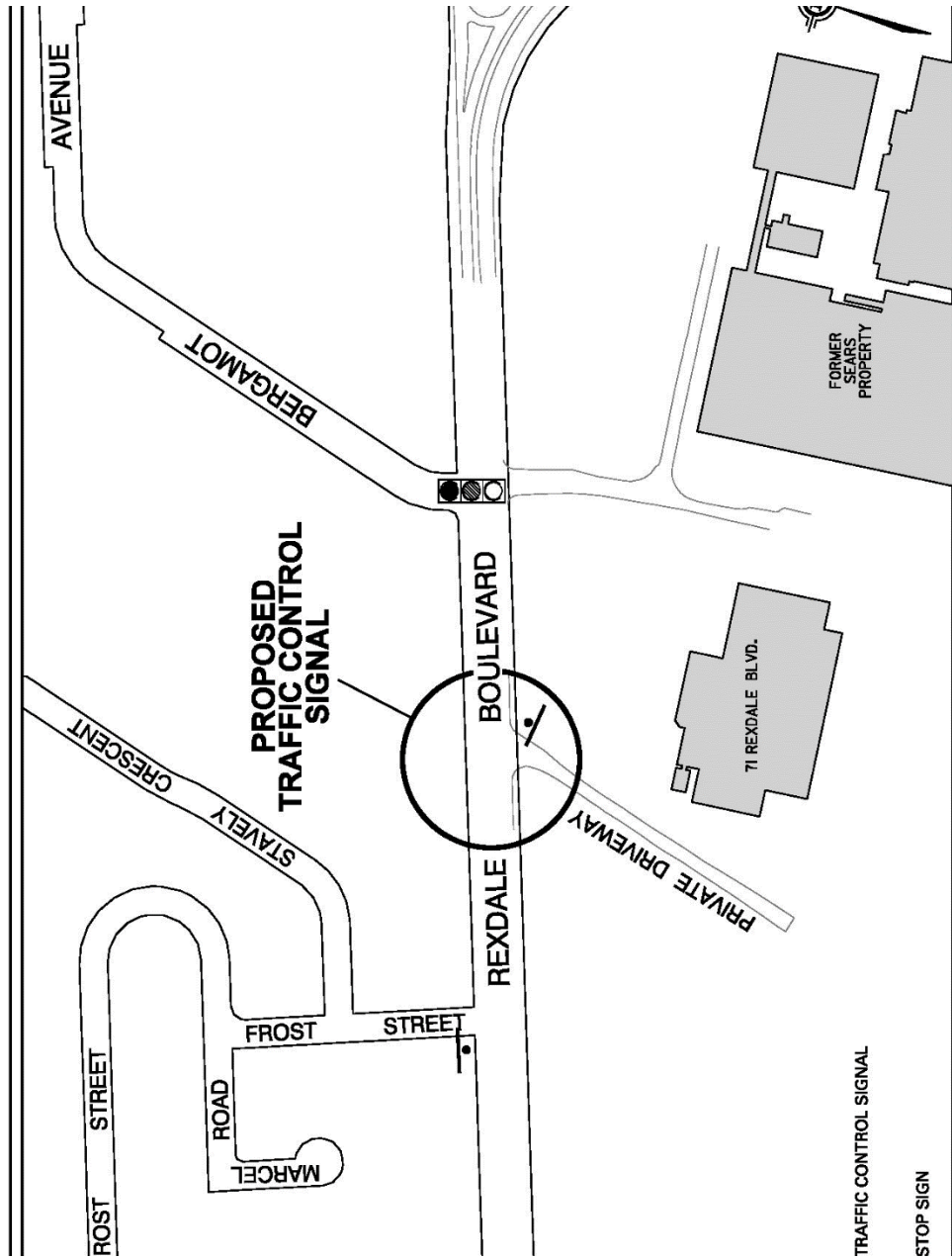
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SIGNATURE

Steven T. Kodama, P.Eng.
Director, Transportation Services, Etobicoke York District

ATTACHMENTS

1. Location Plan (Traffic Control Signals Review - 71 Rexdale Boulevard)



TRAFFIC CONTROL SIGNAL

STOP SIGN

0		Transportation Services	Etobicoke
17		71 REXDALE BOULEVARD PROPOSED TRAFFIC CONTROL SIGNAL	
		FILE NO. EY16 -	ATTACHMENT 1