

Traffic Control Signals Review - 830-831 Progress Avenue

Date: June 29, 2018
To: Scarborough Community Council
From: Director, Transportation Services, Scarborough District
Wards: Ward 38 – Scarborough Centre

SUMMARY

This report responds to a request from the Scarborough Community Council to review the feasibility of installing traffic control signals on Progress Avenue at the driveways to 830-831 Progress Avenue. Currently, these two accesses at this location are uncontrolled, although outbound vehicles must stop before proceeding onto Progress Avenue. The Scarborough Community Council also requested a review of the provision of a sidewalk along the east side of Toyota Place.

RECOMMENDATIONS

The Director, Transportation Services, Scarborough District recommends that:

1. City Council refuse to authorize the installation of traffic control signals on Progress Avenue at a point 115 metres west of Production Drive.

FINANCIAL IMPACT

There would be no financial impact associated with the staff recommendation.

DECISION HISTORY

At the meeting on June 6, 2018, Scarborough Community Council requested Economic Development staff and Transportation Services staff to report to the July 4, 2018 meeting on the feasibility of installing Traffic Control Signals on Progress Avenue at the entrance for Toyota Canada Inc. at 830 Progress Avenue and the Bell Canada facility at 831 Progress Avenue, and extending the existing sidewalk to the entrance of the Toyota Canada Inc. head office along the east side of Toyota Place. Below is the link to this decision:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2018.SC31.31>

COMMENTS

Existing Conditions

The following characteristics describe this area of Progress Avenue:

- The driveways at 830 Progress Avenue and 831 Progress Avenue are located north of Ellesmere Road, south of Highway 401, east of Bellamy Road North/Corporate Drive, and west of Markham Road.
- Progress Avenue is a four-lane minor arterial road with a regulatory speed limit of 50 km/h.
- The driveway at 830 Progress Avenue is located on the north side of Progress Avenue. This driveway is inbound and outbound. The east driveway to 831 Progress Avenue is located on the south side of Progress Avenue. The business has designated this east driveway as outbound only. The driveways are located 115 metres west of Production Drive.
- Currently, northbound and southbound traffic from the driveways are required to stop at Progress Avenue.
- There are sidewalks on both sides of Progress Avenue.
- The land use in the surrounding area consists mainly of industrial and commercial businesses.
- Toronto Transit Commission (TTC) operates revenue bus service on Progress Avenue but there are no TTC stops at this location.

Analysis

Traffic Control Signal Justification Study

Using traffic volumes recorded during the peak eight hours on Thursday, June 14, 2018, the following results were obtained:

Traffic Control Signal Warrant	Compliance Level
Minimum Vehicular Volume	35%
Delay To Cross Traffic	32%
Collision Hazard	0%

For traffic control signals to be numerically justified, one of the “Minimum Vehicular Volume” or “Delay to Cross Traffic” or “Collision Hazard” warrants must be 100% satisfied, or both the “Minimum Vehicular Volume” and “Delay to Cross Traffic” warrants must be at least 80% satisfied. Our review of the Collision Hazard is based on the previous three-year (2015 – 2017) collision history available.

As outlined in the above table, the traffic volumes do not satisfy the requirements to install traffic control signals.

Collision History

An updated review of the available Toronto Police Service collision records for the five-year period ending December 31, 2017 are summarised below:

Five-Year Collision Information	Number of Reported Collisions (By Year)					
	2013	2014	2015	2016	2017	Total
Vehicle-Only Collisions Potentially Preventable by Traffic Control Signals	0	0	0	0	0	0
Collisions Involving Pedestrians Crossing Progress Avenue at 830-831 Progress Avenue	0	0	0	0	0	0

A review of the collision records revealed that there has been no reported Traffic Control Signal preventable collisions nor pedestrian related collisions on Progress Avenue at 830-831 Progress Avenue during the three-year period ending December 31, 2017. The TTC has been consulted and concurs with these findings.

Economic Development Comments

Transportation Services staff are not aware of any current requests or studies from Toyota Canada Inc. or Bell Canada to signalise these accesses, nor any offers from either party to fund such signals that would only benefit their private properties. However, Economic Development is interested in retaining the Toyota Canada Inc. head office in Toronto at the current Scarborough location.

Sidewalk to 830 Progress Avenue

The Pedestrian Projects unit advises that they have received a request via Economic Development from Toyota Canada Inc. for a new sidewalk to be constructed on the east side of Toyota Place between Progress Avenue and the main entrance to the Toyota Canada Inc. head office. However, this location is a low priority for such an installation as there is already a sidewalk in place on the west side, and such a new sidewalk would end at an asphalt driveway for vehicles that has no pedestrian walkway along it internally into the site. Such a sidewalk could be considered should Toyota Place appear in the 5-year capital road plan at some point.

It should be noted that the approval of such a sidewalk would be delegated to the Scarborough Community Council and is outside of the scope of this undelegated report.

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SIGNATURE

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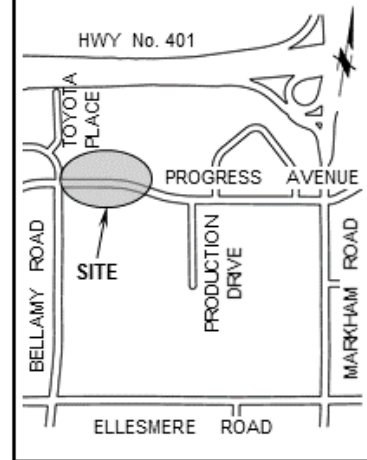
ATTACHMENTS

1. Location Plan (Traffic Control Signals Review - 830-831 Progress Avenue).

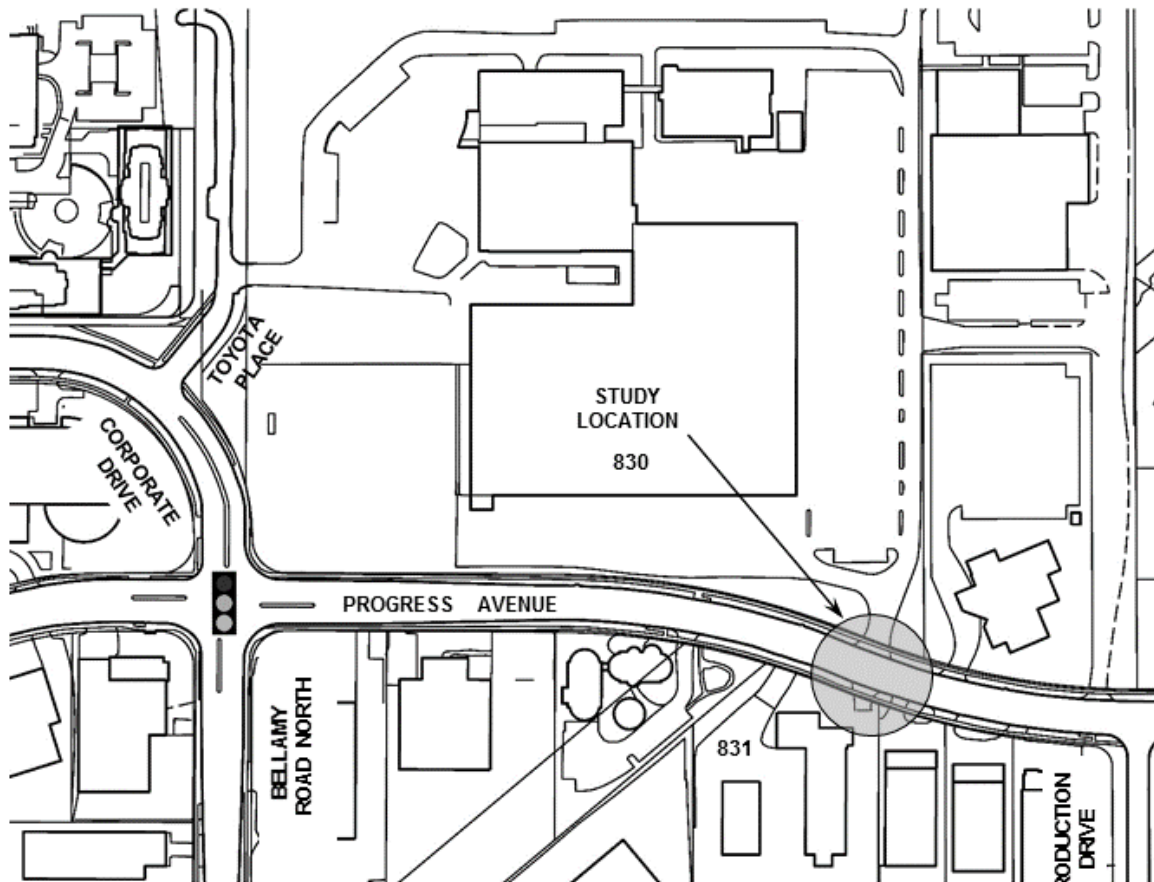
LEGEND



EXISTING TRAFFIC CONTROL SIGNAL



KEY MAP



LOCATION MAP

Toronto TRANSPORTATION SERVICES

TRAFFIC OPERATIONS
Scarborough District

SCALE:	N.T.S.
DATE:	JUNE, 2018
DRAFTING:	O.K.

**TRAFFIC CONTROL SIGNALS REVIEW
830 - 831 PROGRESS AVENUE**

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