



## STAFF REPORT ACTION REQUIRED

### Traffic Control Signals – Bayview Avenue and Brenham Crescent/Private Driveway to 3377 Bayview Avenue

<b>Date:</b>	February 24, 2016
<b>To:</b>	North York Community Council
<b>From:</b>	Director, Transportation Services Division, North York District
<b>Wards:</b>	<b>Ward 24 – Willowdale</b>
<b>Reference Number:</b>	<i>p:/2016/ClusterB/TRA/NorthYork/ny16027</i>

#### SUMMARY

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As the Toronto Transit Commission (TTC) operates a transit service on Bayview Avenue, City Council approval of this report is required.

Transportation Services is requesting approval from City Council to install traffic control signals at the intersection of Bayview Avenue and Brenham Crescent/Private Driveway to 3377 Bayview Avenue. These signals are a condition of the development agreement for 3377 Bayview Avenue (Tyndale University College and Seminary). They are justified based on the anticipated volume of pedestrians crossing Bayview Avenue to access the site and observed pedestrian crossing delay.

#### RECOMMENDATIONS

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Transportation Services recommends that:

1. City Council approve the installation of traffic control signals at the intersection of Bayview Avenue and Brenham Crescent/Private Driveway to 3377 Bayview Avenue.

#### Financial Impact

All costs associated with the installation of the new traffic control signals are the responsibility of Tyndale University College and Seminary.

## **ISSUE BACKGROUND**

As a condition of the site plan approval of 3377 Bayview Avenue (13 118826 NNY 24 SA), Tyndale University College and Seminary is required to install traffic control signals at the intersection of Bayview Avenue and Brenham Crescent/Private Driveway to 3377 Bayview Avenue. This implementation was based on the anticipated volume of pedestrians crossing Bayview Avenue to access the site and observed pedestrian crossing delay.

## **COMMENTS**

3377 Bayview Avenue (Tyndale University College and Seminary) is located on the east side of Bayview Avenue, between Brenham Crescent and Garnier Court. In this area Bayview Avenue is a major arterial roadway consisting of two lanes northbound, two lanes southbound and a shared centre left-turn lane. The new south access driveway to 3377 Bayview Avenue forms the east leg of the intersection of Bayview Avenue and Brenham Crescent. The TTC operates regular bus service on Bayview Avenue. There is a southbound TTC stop on the west side of the intersection with Brenham Crescent. A northbound stop is located on the east side of Bayview Avenue 45 metres north of the intersection where the south driveway to 3377 Bayview Avenue was previously located.

The nearest traffic control signals on Bayview Avenue to the intersection with Brenham Crescent are located 350 metres to the north at Garnier Court and 420 metres to the south at Cummer Avenue.

The traffic impact study for 3377 Bayview Avenue concluded that traffic control signals are justified at the intersection of Bayview Avenue and Brenham Crescent based on pedestrian traffic to the site. In order for traffic control signals to be justified based on pedestrian traffic there must be a minimum of 200 pedestrians crossing during the busiest eight hours of a typical weekday and at least 130 of these pedestrians must experience delays of more than 10 seconds.

The traffic impact study determined that once Tyndale University College and Seminary is fully operational 271 pedestrians would cross Bayview Avenue at the intersection with Brenham Avenue and the new south entrance to the property during the busiest eight hours of a weekday. This included 138 crossings to/from the transit stop on the west side of the intersection, 98 crossings for students that walk to the site and 35 crossings diverted from nearby signalized intersections. Based on observations of gaps in traffic on Bayview Avenue it was determined that all pedestrians would experience delays of more than 10 seconds to cross.

Based on the above it is anticipated that traffic control signals will be justified at the intersection of Bayview Avenue and Brenham Crescent when Tyndale University College and Seminary is fully operational.

As part of the installation of traffic control signals the TTC has requested the existing northbound stop on Bayview Avenue be relocated from its current location 45 metres north of the intersection to the near side of the intersection.

The Ward Councillor has been advised of the recommendation of this staff report.

## **CONTACT**

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## **SIGNATURE**

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Jacqueline White, P. Eng.  
Director

## **ATTACHMENT**

Attachment 1:           Map – Bayview Avenue and Brenham Crescent/Driveway to 3377  
Bayview Avenue – Traffic Control Signals