



**STAFF REPORT
ACTION REQUIRED**

**Trethewey Drive and Platinum Drive/Tedder Street –
Traffic Control Signals**

Date:	September 15, 2015
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 12 – York South-Weston
Reference Number:	p:\2015\Cluster B\TRA\EtobicokeYork\eycc150163-to

SUMMARY

The purpose of this report is to obtain approval for the installation of a mid-block traffic control signals on Trethewey Drive at a point approximately 86 metres east of Platinum Drive in order to facilitate safe crossings for pedestrians. Since the Toronto Transit Commission (TTC) provides service on Trethewey Drive, City Council approval of this report is required.

The installation of a pedestrian crossover (PXO) is justified as the technical criteria have been met; however, a PXO on Trethewey Drive would not be suitable given the 5-lane cross-section at this intersection and the failure of the suitability criteria on this minor arterial road. As an alternative, installing a pedestrian activated mid-block signals at this location would provide a safe and convenient access for pedestrians crossing Trethewey Drive.

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council approve the installation of mid-block pedestrian activated traffic control signals on Trethewey Drive at a point approximately 86 meters east of Platinum Drive/Tedder Street.

Financial Impact

The estimate cost for installing a mid-block pedestrian activated traffic control signals is approximately \$177,000.00

ISSUE BACKGROUND

As a result of a request from the Ward 12 Councillor, on behalf of area residents, Transportation Services were requested to study Trethewey Drive in the area between Millennium Drive/Chiswick Avenue and Platinum Drive/Tedder Street to determine the need for pedestrian crossing protection across Trethewey Drive. A map of the area is Attachment 1.

COMMENTS

Trethewey Drive is a minor arterial road with a speed limit of 50 km/h. Platinum Drive/Tedder Street and Millennium Drive/Chiswick Avenue are local streets. The adjacent land uses in this area consists of high rise residential buildings and single family homes. Trethewey Park West is located on the south side of Trethewey Drive between Millennium Drive and Platinum Drive. Both intersections are controlled by 'Stop' signs on Platinum Drive/ Tedder Street and Chiswick Avenue /Millennium Drive facing northbound and southbound traffic respectively. The Toronto Transit Commission operates a bus service on Trethewey Drive.

Traffic control signals exist approximately 363 metres to the west at Jane Street and a PXO is located approximately 337 metres to the east at Brookhaven Drive. On Trethewey Drive, an eastbound and westbound centre left turn centre exists.

A recent radar speed study on Trethewey Drive in the area of Platinum Drive/Tedder Street revealed an 85th percentile speed of 60 km/h. The 85th percentile is the speed at or below which the majority of motorists feel comfortable travelling on the road.

To assess pedestrian crossings, pedestrian delay studies were conducted on Tuesday, September 15, 2015, on Trethewey Drive from Millennium Drive/Chiswick Avenue to Platinum Drive/Tedder Street. Pedestrian delay study results were applied to the PXO Warrant producing the following results:

Study Date: Tuesday, September 15, 2015

PXO Warrant Category	Required Volume	Recorded Volume	Compliance
Adjusted Pedestrian Volume	283	286	101%
Pedestrian Delays Greater Than 10 Seconds	83	126	152%

To justify the installation of a PXO, compliance levels of 100% are required in both of the above warrant categories.

The PXO Warrant provides an adjustment factor for senior citizens, unassisted children and physically disabled pedestrians. During our eight hour study period, the majority of pedestrians crossing Trethewey Drive in the area of Platinum Drive and Chiswick Avenue were youths or adults, as follows:

Types of Pedestrians	Actual Number of Pedestrians
Assisted Children	30
Unassisted Children	3
Youths / Adults	192
Senior Citizens	27
Physically Disabled	2
Total	254

Assisted children are children crossing the road accompanied by a youth, an adult or a senior citizen. The majority of the crossings on Trethewey Drive at both Tedder Street as well as Chiswick Avenue are TTC generated.

A review of the Toronto Police Service collision records during the past four years for which we have complete data from January 1, 2010 to December 31, 2014, reveals there were no reported collisions involving pedestrians crossing on Trethewey Drive in the area of Platinum Drive/ Tedder Street or Millennium Drive/ Chiswick Avenue.

Based on our findings, we recommend installing mid-block pedestrian activated traffic control signals on Trethewey Drive at a point approximately 86 metres east of Platinum Drive/ Tedder Street. This location was chosen to capture both the pedestrians crossing in the area of Platinum Drive/ Tedder Street as well as Millennium Drive/ Chiswick Avenue.

The TTC provides service on Trethewey Drive including existing eastbound and westbound bus stops at Platinum Drive/Tedder Street and Millennium Drive/Chiswick Avenue. The TTC will combine their two bus stops (at Tedder Street as well as Chiswick Avenue) close to the proposed mid-block traffic control signals. There are three small trees on Trethewey Drive in the boulevard area, on the north side which need to be removed to install the proposed TTC bus platform.

CONTACT

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SIGNATURE

Vincent Sferrazza
Director, Transportation Services – Etobicoke York District

ATTACHMENTS

Attachment 1: Map