



# STAFF REPORT ACTION REQUIRED

## Albion Road, East of Finch Avenue - Pedestrian Signals

<b>Date:</b>	March 8, 2007
<b>To:</b>	Etobicoke York Community Council
<b>From:</b>	Director, Transportation Services, Etobicoke York District
<b>Wards:</b>	Ward 1 – Etobicoke North
<b>Reference Number:</b>	P#07040

### SUMMARY

The purpose of this report is to obtain approval for the installation of pedestrian signals on Albion Road, approximately 280.0 metres east of Finch Avenue West.

The installation of pedestrian actuated traffic control signals is justified as the Pedestrian Crossover (PXO) Warrant requirements are achieved; however, since several of the key environmental standards fail, the installation of pedestrian actuated traffic control signals are recommended. The pedestrian activated traffic control signals will provide safe and convenient access for pedestrians, and will not compromise the integrity of the arterial road network. Although the warrants are met and the installation is compliant with City policies, Albion Road is an established Toronto Transit Commission (TTC) route and this matter must be approved by City Council. TTC staff support this installation.

### RECOMMENDATIONS

Transportation Services recommends that:

1. Toronto City Council approve installing pedestrian actuated traffic control signals on Albion Road, 280.0 metres east of Finch Avenue West.

### Financial Impact

Type of Funding	Source of Funds	Amount
Available within the capital works budget	Project No. CTP707-01	\$89,200.00

## ISSUE BACKGROUND

At the request of staff from the Toronto Transit Commission (TTC), Transportation Services staff investigated pedestrian crossing concerns on Albion Road near the bus stop located approximately 280.0 metres east of Finch Avenue West. A map of the area is Attachment No. 1.

## COMMENTS

Albion Road, to the east of Finch Avenue, has a five lane cross-section with left turn lanes into Albion Centre plaza on the north side of the road, and a medical centre (1525 Albion Road) and Ambulance Station on the south side of the road. Albion Road is designated in the City's Road Classification System as a "Major Arterial", and built to urban standards. The road provides sidewalks on both sides, and also provides a generous grassed boulevard area between the travelled section of the road and the sidewalk.

Traffic control signals are located 280.0 metres west of this location at Finch Avenue West, and pedestrian signals are located 170.0 metres to the east. The speed limit on Albion Road, in the study area is 60 km/h. A TTC bus stop, within a bus bay exists on the north side of the street.

To assess traffic conditions on Albion Road, the following information was obtained:

- a. an eight-hour pedestrian crossover classification and compliance study;
- b. a traffic volume count; and
- c. the three year pedestrian collision history.

During our eight-hour study, we recorded a total of 420 pedestrians crossing at or in the immediate vicinity of 1525 Albion Road. Of these 420 pedestrians, 189 were delayed more than ten seconds before they could complete their crossing. The majority of the pedestrians crossing Albion Road come from the medical centre at 1525 Albion Road. Based on this information, both the pedestrian volume and the pedestrian delay warrants for a PXO are satisfied.

The justification for the installation of a PXO is based on a technical warrant established by the Ministry of Transportation of Ontario (MTO) and adopted by the City of Toronto. The analysis of this warrant is based on data compiled from an 8-hour traffic study and a 12-hour vehicle count.

Location: 1525 Albion Road

MTO – PXO Warrant	Required Volume	Recorded Volume	Compliance
Adjusted Pedestrian Volume	234	420	179%
Pedestrian Delays Greater Than 10 Seconds	101	189	187%

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

The PXO warrant provides an adjustment factor for senior citizens, unassisted children and physically disabled pedestrians. During our 8-hour study period, the majority of pedestrians recorded were youths or adults (high school students) with the following breakdown.

Types of Pedestrians	Number of Pedestrians
Assisted Children	27
Unassisted Children	1
Youths / Adults	365
Senior Citizens	27
Physically Disabled	0

Assisted Children are children crossing the road accompanied by a youth, an adult or a senior citizen.

Although the installation of a PXO is technically warranted, considering the roadway conditions, staff evaluated this location for pedestrian signals according to guidelines that were developed for the “Audit of Operational and Physical Suitability of Pedestrian Crossovers in Toronto” relating to environmental standards. This examination reveals that some of the main criteria for the installation of a PXO were not achieved. Therefore a pedestrian activated signal is being recommended. The standards and the comparative characteristics at this location are described in more detail in Appendix “A”.

A review of the collision history was conducted on Albion Road between a point east of Finch Avenue West and the Toronto Public Library, Albion Branch, at 1501 Albion Road. During the past three years for which we have complete data, January 1, 2003 to December 31, 2005, there have been seven reported collisions on this section of road involving pedestrians.

## **CONTACT**

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## **SIGNATURE**

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John Niedra, P. Eng.  
Director, Transportation Services-Etobicoke York District

## **ATTACHMENTS**

Appendix "A" – Environmental Standards for PXO Suitability Table  
Attachment No. 1 Map

## APPENDIX A

### Environmental Standards for PXO Suitability

Standards or Criteria to be Met for Physical Suitability of a PXO	Criteria Met/Not Met	Comment
Vehicle Operating speed less than 60 km/h	Not Met	85 <sup>th</sup> percentile speed is 65 km/h
Not more than four lanes wide on a two-way street, or more than three lanes on a one-way street	Not Met	Five lanes
Traffic volume less than 35,000 vehicles per day (total both directions)	Met	22,572 vehicles per day
No driveway entrances within 30 metres	Not Met	High density driveway on east and west sides
No Significant volume of turning movements which interfere with PXO	Not Met	Turning movements to and from 1525 Albion Rd.
No visibility problems exist for either pedestrians or motorists	Met	
No loading zones (including T.T.C.) in the immediate vicinity	Not Met	T.T.C. bus stop on north side of the street
Not less than 215 metres to another PXO or traffic device	Not Met	Traffic signals located 170.0 meters east of the proposed location