



STAFF REPORT ACTION REQUIRED

Humber College Boulevard and Westmore Drive – Traffic Control Signals

Date:	August 8, 2008
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 1 – Etobicoke North
Reference Number:	p:\2008\Cluster B\TRA\EtobicokeYork\eycc080123-to

SUMMARY

The purpose of this report is to obtain approval for the installation of traffic control signals at the intersection of Humber College Boulevard and Westmore Drive and the removal of the pedestrian crossover (PXO) located on Humber College Boulevard, 62.0 metres east of Westmore Drive.

The installation of traffic control signals is justified as the Traffic Control Signal warrant requirements are achieved. The installation of traffic control signals will provide safe and convenient access for vehicles and pedestrians, and will not compromise the integrity of the arterial road network.

As the Toronto Transit Commission (TTC) operates transit service on Humber College Boulevard, City Council approval of this report is required. TTC staff have been advised of the proposed signal installation.

RECOMMENDATIONS

Transportation Services recommends that Toronto City Council:

1. Approve the removal of the existing pedestrian crossover on Humber College Boulevard, 62.0 metres east of Westmore Drive.
2. Approve the installation of traffic control signals at the intersection of Humber College Boulevard and Westmore Drive.

Financial Impact

Type of Funding	Source of Funds	Amount
Available within the capital works budget	Project No. CTP708-01	\$130,000.00

BACKGROUND

At the request of Councillor Suzan Hall, Ward 1, Etobicoke North, Transportation Services staff investigated the need for traffic control signals at the intersection of Humber College Boulevard and Westmore Drive. A map of the area is Attachment No. 1.

COMMENTS

According to the City of Toronto's road classification system, Humber College Boulevard is classified as a 'minor arterial' roadway. Westmore Drive is classified as a 'local' roadway. The statutory speed limit is 50 km/h for Humber College Boulevard in this area and 40 km/h for Westmore Drive. This intersection is controlled by a 'Stop' sign on Westmore Drive facing southbound traffic. A raised median island, measuring approximately 4.0 metres in width by 65.0 metres in length exists on Humber College Boulevard. A Pedestrian Crossover (PXO) is located 62.0 metres east of Westmore Drive and the traffic control signals at Highway No. 27 are 175.0 metres to the west. The adjacent land uses in this area include a Medical Centre, Shopping Plaza and a hospital.

To assess traffic conditions, an eight hour turning movement and a three-year collision history review was conducted. Our turning movement study results were applied to the traffic control signal warrant analysis. The study results are as follows:

a)	Minimum Vehicular Volume	55 percent
b)	Delay to Cross Traffic	87 percent
c)	Collision Hazard	80 percent

In order to meet the warrants, 100 percent compliance is required in one of the first two categories or a minimum of 80 percent in any two. Given that Warrants b) and c) are met, traffic control signals are recommended.

The existing pedestrian crossover located 62.0 metres to the east of this intersection is proposed to be removed as part of this recommendation.

CONTACT

Bruce Clayton, Supervisor, Traffic Engineering-Etobicoke York District
Tel:(416)394-8408; Fax:(416)394-8942
e-mail: clayton@toronto.ca
AFS8226

SIGNATURE

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

ATTACHMENTS

Attachment No. 1: Map