



STAFF REPORT ACTION REQUIRED

Belfield Road and Iron Street - Pedestrian Signals

Date:	March 23, 2007
To:	Etobicoke York Community Council
From:	Director, Transportation Services, Etobicoke York District
Wards:	Ward 2 – Etobicoke North
Reference Number:	eycc070053-to--4750

SUMMARY

The purpose of this report is to obtain approval for the installation of traffic control signals at the intersection of Belfield Road and Iron Street.

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. Staff of the Toronto Transit Commission (TTC) have been consulted on this initiative as Belfield Road is a TTC route and have no objection to the new signal installation.

These signals will contain features to assist pedestrians crossing the road. These include, pedestrian signal heads and push buttons, crosswalk lines and pedestrian information signs explaining the operation of these signals.

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council approve installing traffic control signals at Belfield Road and Iron Street.

Financial Impact

Type of Funding	Source of Funds	Amount
Available within the capital works budget	Project No. CTP707-01	\$140,000.00

DECISION HISTORY

At the request of a business operating in the area of the intersection of Belfield Road and Iron Street (CKF Inc., 30 Iron Street) Transportation Services staff investigated the need for additional traffic controls at this intersection. A map of the area is Attachment No. 1.

COMMENTS

Belfield Road has a four lane cross-section in the area of Iron Street. Belfield Road is designated in the City's Road Classification System as a "Minor Arterial", and is in an industrial area. Iron Street is classified as a local road and stop controls exist where this road intersects with Belfield Road. A sidewalk exists on the north side of Belfield Road, and also a generous grassed boulevard area between the travelled section of the road and the sidewalk. TTC bus stops within bus bays are located on both sides of the road at this intersection (northeast and southwest corners).

Traffic control signals are located 490.0 metres west of this location at Highway No. 27, and 460.0 metres to the east at Martin Grove Road. The speed limit on Belfield Road in the study area is 60 km/h.

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 | 80 percent |
| b) | Delay to Cross Traffic | 90 percent |
| c) | Collision Hazard | 27 percent |

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

Toronto Transit Commission staff has been consulted on this issue and have no objections to the proposed traffic control signal installation.

CONTACT

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SIGNATURE

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ATTACHMENTS

Attachment No. 1: Map