



STAFF REPORT ACTION REQUIRED

Proposed Installation of Traffic Control Signals at 685 Warden Avenue (North of Firvalley Court)

Date:	December 21, 2006
To:	Scarborough Community Council
From:	Director, Transportation Services, Scarborough District
Wards:	Ward 35 – Scarborough Southwest
Reference Number:	P:\2007\Cluster B\TRA\Scarborough\sc07001 D06-419 685 Warden Firvalley TCS

SUMMARY

The purpose of this report is to obtain approval for the installation of traffic control signals at 685 Warden Avenue (North of Firvalley Court).

A safety review indicates that the existing Pedestrian Crossover (PXO) at the subject location is no longer a suitable form of crossing protection. Accordingly, the existing PXO should be removed and replaced with traffic control signals.

RECOMMENDATIONS

Transportation Services, Scarborough District, recommends that:

1. Traffic control signals be approved at 685 Warden Avenue, (north of Firvalley Court).
2. As the traffic control signals are installed, the PXO at 662/682 should be removed.
3. The appropriate City Officials be requested to take whatever action is necessary to complete the foregoing directions and introduce in Council any bills that may be required.

FINANCIAL IMPACT

The financial cost of installing these new traffic control signals, approximately 310m north of Firvalley Court, will be borne by the developer of lands at 685 Warden Avenue, No Frills Foodstore on the east side of Warden Avenue as outlined in their Agreement with the City.

The added annual operating and maintenance costs associated with this installation are \$5,000.00, which includes all communication costs. These funds are available in the current Transportation Services Division's Budget.

The Deputy City Manager and Chief Financial Officer have reviewed this report and agree with the financial impact information.

DECISION HISTORY

Further to a request from former City Councillor Gerry Altobello, on behalf of an area resident, Transportation Services staff conducted a safety review of the existing PXO located at 662/682 Warden Avenue.

ISSUE BACKGROUND

The detailed safety review of the PXO was based on the recommended design standards, or "environmental standards", for PXO's as developed by the Province of Ontario in consultation with Ontario municipalities

COMMENTS

Characteristics of the existing PXO located at 662/682 Warden Avenue include:

- This portion of Warden Avenue is a four-lane major arterial road with a 60-kmh speed limit and a two-way 24-hour volume of approximately 26,000 vehicles.
- The PXO is immediately south of a driveway/private road to Nos. 662 and 682 Warden Avenue approximately 240 metres north of Firvalley Court.
- The primary users of this PXO are residents of two apartment buildings located on the west side of Warden Avenue.
- Land use in this area is mixed with residential on the west side and light industrial on the east side of Warden Avenue.
- The installation traffic control signals at a point approximately 310m north of Firvalley Court will provide the greatest benefit to area users.

PXO “Environmental Standards”

Transportation Services staff conducted a detailed review of the subject PXO and compared the standards with the recommended design standards or “environmental standards” for PXO’s as developed by the Province of Ontario in consultation with Ontario municipalities. These criteria prescribe a roadway environment suitable for PXO’s and identify factors which would make a PXO unsuitable or potentially unsafe.

The results of the “environmental standards” review revealed that the subject PXO is no longer a physically suitable form of pedestrian crossing protection. Most notably, vehicle operating speeds are high, with 85th percentile speeds in the order of 72 km/h.

Given the prevailing operating speeds, the existing PXO should be replaced with traffic control signals at this location.

The installation of traffic control signals should improve the level of pedestrian crossing safety and should not have a significant impact on the operation of the arterial road network.

CONTACT

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SIGNATURE

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Director
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JAB/IH:ca

ATTACHMENTS

1. Appendix 1 - By-law Amendment (rescind)
2. Location Plan (Proposed Traffic Control Signals - 662/682 Warden Avenue)

Appendix 1

“Pedestrian Crossing Locations” Regulation to be Rescinded

Column 1
Road

Warden Avenue

Column 2
At

Approximately 240 metres
north of Firvalley Court