TORONTO

STAFF REPORT
ACTION REQUIRED

Davisville Avenue and Acacia Road – pedestrian crossover

Date:	March 30, 2007
To:	Toronto and East York Community Council
From:	Director, Transportation Services Toronto and East York District
Wards:	St. Paul's, Ward 22
Reference Number:	Ts101te.top.doc

SUMMARY

Transportation Services has evaluated a request to install a pedestrian crossover (PXO) at the intersection of Davisville Avenue and Acacia Road.

The installation of a PXO at this intersection is technically warranted based on the pedestrian volumes and delays and will assist pedestrians crossing Davisville Avenue. This installation will result in the loss of two on-street parking spaces on the south side of Davisville Avenue and the relocation of the westbound Toronto Transit Commission (TTC) stop and shelter.

RECOMMENDATIONS

Transportation Services recommends that City Council approve:

1.   the installation of a pedestrian crossover on Davisville Avenue, approximately 18 metres east of Acacia Road.

Financial Impact

Type of funding	Source of funds	Amount
Available within current budget	Transportation Services Division 2007 Capital Budget	$ 18,000.00

ISSUE BACKGROUND
Councillor Michael Walker requested Transportation Services to install a PXO at the intersection of Davisville Avenue and Acacia Road.

COMMENTS

Davisville Avenue is an east-west, four-lane minor arterial roadway with a daily, two-way traffic flow of approximately 15,000 vehicles and a speed limit of 40 km/h. There is east-west TTC bus service on Davisville Avenue and there are near-side stops located at Acacia Road. Acacia Road is a two-lane, local roadway with a daily, two-way traffic flow of approximately 2,000 vehicles and a speed limit of 40 km/h. It is controlled by a "Stop" sign where it intersects the north side of Davisville Avenue in a "T-type" intersection. June Rowlands Park is located on the northeast corner of the intersection.

Collision statistics provided by the Toronto Police Service for the three-year period ending December 31, 2006 disclosed that two collisions had occurred at this intersection. Neither collision involved a pedestrian or a cyclist.

Traffic studies undertaken in early June 2006 during the busiest eight-hour period of a typical weekday revealed that 253 pedestrians crossed Davisville Avenue at Acacia Road. Slightly more pedestrians were recorded crossing Davisville Avenue west of Acacia Road (141) versus east of Acacia Road (112). The 253 pedestrians were classified as follows:

- 188 youths and adults (73 percent);
- 37 senior citizens (15 percent);
- 19 assisted children (8 percent);
- 9 unassisted children (4 percent); and
- 0 disabled (0 percent).

Of the 253 pedestrians, 84 were delayed more than 10 seconds in crossing Davisville Avenue. Based on these volumes the technical warrants for the installation of a PXO are satisfied to the following extent:

> Warrant 1: Pedestrian Volume 100 percent; and
> Warrant 2: Pedestrian Delay 100 percent.

To meet the technical requirements for the installation of a PXO, both of the warrants must be 100 percent satisfied.

Due to the driveways on Davisville Avenue in the vicinity of Acacia Road, the nearest the PXO can be located to the intersection is a point approximately 18 metres to the east.

As noted, there are near-side TTC bus stops on Davisville Avenue. The TTC reports that the PXO installation east of Acacia Road will require that their westbound bus stop be relocated approximately 30 metres to the east of its current location.

Parking is permitted on the south side of Davisville Avenue during the off-peak periods.

Two on-street spaces will be lost east of Acacia Road, as stopping is prohibited at all times within nine metres of a PXO.

CONTACT

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SIGNATURE

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Director, Transportation Services

ATTACHMENTS

Drawing No. 421F-8500, dated August 2006

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