



**STAFF REPORT
ACTION REQUIRED**

Traffic Control Signals – Gerrard Street East and Scarborough Road/Dengate Road

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| Date: | December 8, 2015 |
| To: | Toronto and East York Community Council |
| From: | Director, Transportation Services, Toronto and East York District |
| Wards: | Beaches – East York, Ward 32 |
| Reference Number: | Ts2016022te.top.doc |

SUMMARY

As the Toronto Transit Commission (TTC) operates a transit service on Gerrard Street East, City Council approval of this report is required.

Transportation Services has undertaken an operational review of the intersection of Gerrard Street East and Scarborough Road/ Dengate Road. The results of our review indicate that the installation of traffic control signals is not technically warranted as the existing pedestrian crossover is serving the pedestrian crossing demand safely.

RECOMMENDATIONS

Transportation Services, Toronto and East York District recommends that:

1. City Council deny the installation of traffic control signals on Gerrard Street East at Scarborough Road/ Dengate Road.

Financial Impact

There are no financial implications to the above-noted recommendation.

ISSUE BACKGROUND

Transportation Services, Toronto and East York District, was requested by Councillor Mary-Margaret McMahon on behalf of the area residents to report on replacing the existing Pedestrian Crossover (PXO) at Gerrard Street East at Scarborough Road/ Dengate Road with traffic control signals to address safety concerns for pedestrians crossing this intersection.

COMMENTS

Gerrard Street East is an east/west four-lane major arterial road, with a daily two-way traffic of 21,000 vehicles and a regulatory speed limit of 50 km/h. Scarborough Road and Dengate Road are both north/south local roads that intersect Gerrard Street East to form a four-leg near-right offset intersection (offset approximately 20 metres at centreline), Scarborough Road runs south from Gerrard Street East and Dengate Road runs north from Gerrard Street East. Transit service on Gerrard Street East is provided by '135 Gerrard' streetcar and there are no stops on Scarborough Road/Dengate Road.

Currently, a pedestrian crossover is located on the east leg of the intersection of Gerrard Street East at Scarborough Road/ Dengate Road, providing crossing protection for north-south pedestrians in this area. Adjacent traffic control signals on this section of Gerrard Street East are located approximately 235 metres to the east at Victoria Park Avenue, and approximately 430 metres to the west at Malvern Avenue.

Traffic Control Signals

Based on the eight-hour vehicular and pedestrian traffic counts conducted at this intersection, and the collision history, the technical warrants for the installation of the traffic control signals are satisfied to the following extent:

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| Warrant 1: | Minimum Vehicle Volume | 79 percent |
| Warrant 2: | Delay to Cross Traffic | 74 percent |
| Warrant 3: | Collision Hazard | 33 percent |

To satisfy the installation of traffic control signals, one of either the Minimum Vehicular Volume or Delay to Cross Traffic warrants must be 100 percent satisfied, or both must be satisfied to the extent of 80 percent.

The Collision Hazard is based on the number of collisions susceptible to correction by the installation of traffic control signals, and must be 100 percent satisfied. A review of the Toronto Police Services collision records revealed that in a three year period ending December 31, 2014, there has been six reported collisions susceptible to correction by the installation of traffic control signals at the intersection.

In view of the above, the warrant criteria for the installation of traffic control signals at the intersection of Gerrard Street East and Scarborough Road/ Dengate Road have not been satisfied.

Summary

Based on the review, the technical requirements for the installation of traffic control signals are not satisfied at the intersection of Gerrard Street East and Scarborough Road/Dengate Road and therefore not recommended. Accordingly, the installation of traffic control signals to replace the existing pedestrian crossover is not supported. Additionally, the installation of traffic control signals at this intersection would result in the following negative impacts:

- a) Loss of Parking spaces. The installation of traffic control signals would result in the loss of about seven on-street parking spaces as follows:
 - approximately three on-street parking spaces will be removed on Scarborough Road, between Kingston Road and Gerrard Street East. On this section of Scarborough Road, there are a total of 51 permit parking spaces available and 88 permits have been issued;
 - approximately four on-street parking spaces will be removed on Dengate Road, between Gerrard Street East and Musgrave street. On this section of Dengate Road, there are a total of 51 permit parking spaces available and zero permits have been issued;
- b) The potential for increase in delays to transit service on Gerrard Street East;
- c) The potential for increased delays to pedestrians, who will be required to wait for a "Walk" signal, rather than crossing upon pushing the PXO button; and
- d) The potential of traffic infiltration that may increase traffic volumes on Scarborough Road / Dengate Road as it becomes easier for motorists to enter Gerrard Street East.

Councillor Mary-Margaret McMahon has been advised of the recommendations of this staff report.

CONTACT

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SIGNATURE

Kyp Perikleous
Director, Transportation Services
Toronto and East York District

LIST OF ATTACHMENTS

1. Drawing No. 421G-1996, dated November 2015

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