

Proposed Traffic Control Signals - Marlee Avenue and Viewmount Avenue

Date: October 28, 2019
To: North York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 8 Eglinton-Lawrence

SUMMARY

As the Toronto Transit Commission (TTC) operates bus service on Marlee Avenue, City Council approval of this report is required.

Transportation Services is requesting City Council authorize that the existing pedestrian crossover (PXO) on Marlee Avenue at the intersection with Viewmount Avenue be converted to traffic control signals.

The installation of traffic control signals is technically warranted and will enhance road safety for pedestrians and motorists at the intersection of Marlee Avenue and Viewmount Avenue. However, it may increase traffic on Viewmount Avenue since it will be easier to cross Marlee Avenue at the intersection.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. City Council authorize the installation of traffic control signals at the intersection of Marlee Avenue and Viewmount Avenue.
2. City Council authorize removal of the pedestrian crossover on Marlee Avenue at Viewmount Avenue in conjunction with the installation of traffic control signals at the Intersection.

FINANCIAL IMPACT

The estimated cost of installing traffic control signals at the intersection of Marlee Avenue and Viewmount Avenue and removal of the existing PXO is \$200,000.00. This installation will be considered in 2021, subject to the availability of funding and competing priorities.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by Councillor Mike Colle, on behalf of local residents, to convert the existing PXO on Marlee Avenue at Viewmount Avenue to traffic control signals.

The subject PXO is located on the south leg of the intersection of Marlee Avenue and Viewmount Avenue. Marlee Avenue is a 12-metre wide minor arterial street with a posted 40 km/h speed limit. It consists of one northbound lane, one southbound lane, a centre two-way left-turn lane and bicycle lanes in each direction. Viewmount Avenue is an 8.5-metre wide local street with a 50 km/h statutory (unsigned) speed limit. The land use in the area consists of commercial plazas on three of the four corners of the intersection, residential homes and STS Cosmas and Damian Catholic School at the west end of Viewmount Avenue.

The TTC operates regular bus service (route 109 Ranee) on Marlee Avenue. There are northbound and southbound bus stops on Marlee Avenue 25 metres south of Viewmount Avenue.

A review of Toronto Police Service collision records for the three-year period ending June 30, 2019 revealed that there were six reported collisions in the intersection of Marlee Avenue and Viewmount Avenue. Two of these collisions were potentially preventable by traffic control signals and one involved a pedestrian.

The results of a traffic count undertaken on May 15, 2019 at the intersection of Marlee Avenue and Viewmount Avenue and the above collision history were applied to the warrant criteria for traffic control signals. The warrant criteria was satisfied to the following extent:

Table 1: Traffic Control Signals Warrant Criteria and Compliance

Criteria	Marlee Avenue and Viewmount Avenue
Minimum Vehicular Volume	51 percent
Delay to Cross Traffic	100 percent
Collision Hazard	13 percent
TCS Warranted	Yes

To justify the installation of traffic control signals, one of the warrants must be 100 percent satisfied or both the 'Minimum Vehicular Volume' and 'Delay to Cross Traffic' warrants must be 80 percent satisfied. Therefore, traffic control signals are justified at the intersection of Marlee Avenue and Viewmount Avenue.

Based on the above review, Transportation Services recommends the conversion of the PXO on Marlee Avenue at Viewmount Avenue to traffic control signals.

The installation of traffic control signals may increase traffic on Viewmount Avenue since it will be easier to cross Marlee Avenue at the intersection. In addition, pedestrian wait time to cross may increase and there will be a loss of parking on Viewmount Avenue.

The TTC has been advised of this matter but has not provided comments.

The Ward Councillor is aware of the recommendations of this report.

CONTACT

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SIGNATURE

Roger Browne, M.A.Sc., P.Eng
Acting Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - Proposed Traffic Control Signals - Marlee Avenue and Viewmount Avenue

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