



REPORT FOR ACTION

Installation of Traffic Control Signals - 225 Milliken Boulevard

Date: May 28, 2019
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 22 – Scarborough-Agincourt

SUMMARY

This staff report is about a matter that the Community Council has delegated authority from City Council to make a final decision.

This report recommends the installation of mid-block pedestrian traffic control signals at 225 Milliken Boulevard approximately 230 metres north of McNicoll Avenue.

The need for a pedestrian crossing protection in the form of a pedestrian crossover (PXO) has been identified in a Traffic Impact Study submitted by the TTC. The TTC property at this location was bisected by the Milliken Boulevard extension from McNicoll Avenue to Passmore Avenue.

Staff at Transportation Services in consultation with TTC have recommended upgrading the PXO to pedestrian traffic control signals in keeping with the existing adjacent pedestrian traffic control signals located approximately 150 metres north of this location at 255 Milliken Boulevard.

TTC staff have agreed to proceed with the installation of mid-block pedestrian traffic control signals. The signals will be located where the main pedestrian walkway from the TTC McNicoll Bus Garage property crosses the road to connect with its 350-space parking lot to the west.

RECOMMENDATIONS

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

1. Scarborough Community Council approve the installation of traffic control signals at 225 Milliken Boulevard.

FINANCIAL IMPACT

The cost of installation of the traffic control signals is approximately \$90,000. TTC is responsible for the cost of installation. Transportation Services will supply traffic signal controller cabinet at no cost to the TTC.

DECISION HISTORY

In the mid-2000's, the Redlea Avenue / Silver Star Boulevard Class Environmental Assessment identified the need for extending Milliken Boulevard northerly through McNicoll Avenue to Passmore Avenue. The Milliken Boulevard extension was completed and open to public traffic in the fall of 2016.

Concurrently with the environmental assessment process, there was a site plan control application for the TTC McNicoll Bus Garage. Ultimately, while the road alignment was protected through that process, the funds for road way related infrastructure such as pedestrian crossing protection/traffic control signals were to be secured from the applicant namely TTC. The assessment did identify the need for pedestrian crossing protection where Milliken Boulevard bisected the TTC McNicoll Bus Garage.

The TTC McNicoll Bus Garage will provide storage facility for 250 buses with hoists, pits, body shop, paint shop and bus cleaning services. The TTC McNicoll Bus Garage includes a 19,000 m2 lot used for TTC staff parking to the west of the proposed Garage facility. There will be approximately 350 parking spaces. The main garage facility will operate twenty-four hours a day and seven days a week with approximately 100 maintenance staff and 400 operators are projected to be reporting into the facility.

COMMENTS

The following characteristics describe the segment of the Milliken Boulevard extension:

- The Milliken Boulevard extension has not been classified but will likely be a collector road, with one through lane in each direction with a continuous two-way centre left-turn lane.
- The land uses on this section of Milliken Boulevard are TTC bus garage, a place of worship, light industrial/commercial uses, to the south.
- Sidewalks will be located on both sides of Milliken Boulevard.
- Adjacent traffic control signals are located approximately 150 metres to the north at 255 Milliken Boulevard and 240 metres to south at McNicoll Avenue.
- There is no TTC revenue service on Milliken Boulevard.

Analysis

TTC is expected to employ approximately 100 maintenance staff and 400 operators projected to be reporting into the facility on a daily basis. The highest eight-hour pedestrian crossing at the mid-block location is expected to be well over 330 pedestrians as pedestrians using the TTC facility must cross at the mid-block location when accessing and when leaving the TTC facility.

According to the data provided from the Traffic Impact Study (TIS), the projected 2022 morning and afternoon road peak hour volumes, the eight-hour vehicular volume was projected to be 4,850 vehicles.

Using the above projected pedestrian and vehicular volumes, a PXO is warranted based on meeting the minimum eight-hour vehicular volume of 750 vehicles and the minimum eight-hour pedestrian volume of 100 pedestrians threshold.

Based on the above projected pedestrian and traffic volumes, mid-block pedestrian signals may also be technically warranted, while it is not possible to complete the delay component of the Pedestrian Volume and Delay Traffic Signal Warrant based on projections, our analysis has concluded that the pedestrian volumes projected satisfy the Pedestrian Volume Justification of the traffic control signal warrant.

Staff of TTC, Traffic Planning, Traffic Operations and Traffic Plant Installation & Maintenance have been in contact to discuss the installation of pedestrian crossing protection at this location and determined that the best form of pedestrian crossing protection is to upgrade originally recommended PXO to a pedestrian traffic control

signals in keeping with the existing adjacent pedestrian traffic control signals located just 150 metres north of this location at 255 Milliken Boulevard.

TTC staff have agreed to proceed with the installation of a mid-block pedestrian traffic control signals. The signals will be located where the main pedestrian walkway from the TTC McNicoll Bus Garage property crosses the road extension to connect with its 350-space parking lot to the west.

The installation of a mid-block pedestrian traffic control signals will provide safe and accessible pedestrian crossing protection across Milliken Boulevard.

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SIGNATURE

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ATTACHMENTS

1. Attachment 1: Location Plan Traffic Control Signals - 225 Milliken Boulevard

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