

Traffic Control Signals - Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road

Date: November 13, 2019
To: North York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 6, York Centre

SUMMARY

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

Transportation Services is requesting North York Community Council deny the installation of traffic control signals on Bathurst Street at Carpenter Road, and Carpenter Road at Fisherville Road.

The existing traffic and roadway conditions do not warrant the installation of traffic control signals at the above noted intersections at this time.

RECOMMENDATIONS

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

1. City Council deny the installation of traffic control signals at Bathurst Street and Carpenter Road.
2. City Council deny the installation of traffic control signals at Carpenter Road and Fisherville Road.

FINANCIAL IMPACT

There are no financial implications associated with this report. However, the estimated cost of installing traffic control signals at the intersection of Bathurst Street and Carpenter Road is \$180,000.00. The estimated cost of installing traffic control signals at the intersection of Carpenter Road and Fisherville Road is \$180,000.00. Should the

installation of traffic control signals be approved, these installations would be considered in 2021, subject to the availability of funding and competing priorities.

DECISION HISTORY

On June 25, 2019, North York Community Council adopted Item No. NY7.22, which directed Transportation Services staff to review the feasibility of installing traffic control signals at the intersections of Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road and report back to North York Community Council at its meeting scheduled to be held on September 16, 2019.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2019.NY7.22>

On September 16, 2019, North Community Council adopted item No. NY8.11, which was an extension report to inform North York Community Council that a final report will be prepared by Transportation Services regarding the potential installation of traffic control signals at the intersections of Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2019.NY8.11>

COMMENTS

Transportation Services was directed by North York Community to review the feasibility of installing traffic control signals at the intersections of Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road and report back to North York Community Council.

Bathurst Street is classified as a major arterial street that provides two lanes in each direction, with a centre left turn lane. It has a posted speed limit of 60 km/h and a daily two-way traffic volume of approximately 34,000 vehicles. There are sidewalks on both sides of the street. The section of Bathurst Street, between the existing traffic control signals at Greenwin Village Road and Rockford Road/Dewlane Drive, is approximately 570 metres in length. Between these two signalized intersections, there is a pedestrian refuge island approximately 350 metres south of Greenwin Village Road and approximately 170 metres south of Carpenter Road. Transit service on this section of Bathurst Street is provided by the 160 Bathurst bus route.

Carpenter Road is classified as a local street that provides one lane in each direction between Steeles Avenue West and Fisherville Road. Carpenter Road is a one-way southbound street between Fisherville Road and Bathurst Street. It has a regulatory speed limit of 50 km/h and a daily traffic volume of approximately 5,100 vehicles. There are sidewalks on both sides of the street between Steeles Avenue West and Fisherville Road. There is no TTC bus service provided on this street.

Fisherville Road is classified as a local street that provides one lane in each direction. It has a posted speed limit of 40 km/h and has a daily vehicle volume of approximately

3,400 vehicles. There are sidewalks on both sides of the street. There is no TTC bus service provided on this street.

The area is primarily comprised of high-rise residential buildings, seniors' homes and commercial plazas, including Mc Donald's, which is located on Bathurst Street between Fisherville Road and Carpenter Road. This section of Bathurst Street is designated as a Senior Safety Zone.

Traffic Control Signals

Transportation Services staff reviewed the intersections of Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road for the installation of traffic control signals. The studies were undertaken during the busiest period of a typical weekday in September 2019 and October 2017, respectively. The traffic studies were used to review the numerical warrants for the installation of traffic control signals at both intersections. The results are summarized as follows:

Table 1: Traffic Control Signal Warrant Criteria and Compliance - Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road

Location	Minimum Vehicular Volume	Delay to Cross Traffic	Collision Hazard	TCS Warrant?
Bathurst Street and Carpenter Road	79 percent	3 percent	0 percent	No
Carpenter Road and Fisherville Road	73 percent	35 percent	27 percent	No

To meet the numerical warrants for the installation of traffic control signals, either one of the “Minimum Vehicular Volume” or “Delay to Cross Traffic” warrants must be 100 percent satisfied or both must be at least 80 per cent satisfied.

The “Collision Hazard” warrant is based on the number of collisions potentially preventable by the installation of traffic control signals and must be 100 percent satisfied. Collision statistics provided by the Toronto Police Service for the three-year period ending October 31, 2019 did not disclose any collisions at Bathurst Street and Carpenter Road. However, there were four collisions at the intersection of Carpenter Road and Fisherville Road that were potentially preventable by the installation of traffic control signals. One of these collisions involved a pedestrian.

Based on the above results, Transportation Services does not support the installation of traffic control signals at the intersections of Bathurst Street and Carpenter Road, or at Carpenter Road and Fisherville Road.

Notwithstanding the current vehicle and pedestrian counts, it is acknowledged that there is a potential for significant residential development in this area, including an increase in pedestrian activity. There also may be changes to the area road network.

Transportation Services staff will continue to work closely with Community Planning to ensure these new developments account for any potential traffic control signals that are required in this area.

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SIGNATURE

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Acting Director, Transportation Services

ATTACHMENTS

Attachment 1: Map - Traffic Control Signals - Bathurst Street and Carpenter Road, and Carpenter Road and Fisherville Road

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