

Traffic Control Signals - Broadview Avenue

Date: August 23, 2021

To: Toronto and East York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 14, Toronto-Danforth

SUMMARY

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

Transportation Services staff have been requested by the local Councillor to report back to the September 9, 2021 Toronto and East York Community Council on the preferred location of traffic control signals on Broadview Avenue, adjacent to Riverdale Park East.

Due to insufficient traffic data available, Transportation Services staff is unable to undertake a warrant analysis and does not recommend the installation of traffic control signals at this time.

RECOMMENDATIONS

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

1. City Council receive this report for information.

FINANCIAL IMPACT

There is no financial impact resulting from the adoption of the recommendation in the report.

If City Council amends the recommendation in this report and authorizes the installation of traffic control signals on Broadview Avenue the estimated cost is \$250,000.00. This installation would be considered in 2021 subject to availability of Capital funding and competing priorities.

DECISION HISTORY

On June 24, 2021 Toronto and East York Community Council adopted Item TE26.91 - Protecting Pedestrians at Riverdale Park East directing Transportations staff to advise the preferred location of signals on Broadview Avenue to provide crossing along Broadview Avenue adjacent to Riverdale Park East.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2021.TE26.91>

On May 10, 2016 Toronto and East York Community Council adopted Item TE16.72 - Coordinating Riverdale Park Upgrades with Pedestrian Safety Improvements, and directed Transportation Services to install traffic signals to ensure maximum pedestrian safety when accessing the north section of Riverdale Park East. The City Council decision can be found at:

[Agenda Item History - 2016.TE16.72 \(toronto.ca\)](#)

COMMENTS

Transportation Services was requested by the Ward Councillor to investigate the feasibility of installing traffic control signals at the most suitable location on Broadview Avenue adjacent to Riverdale Park East.

Existing Conditions

Broadview Avenue is characterized by the following conditions:

- It is a two-lane, north-west, minor arterial roadway
- It operates two-way traffic on a pavement width of approximately 12.7 metres
- The daily two-way traffic volume is approximately 11,000 vehicles
- The posted speed limit is 40 km/h
- Heavy trucks are prohibited at all times from 7:00 p.m., on one day to 7:00 a.m. of the next follow day
- There is TTC service provided by the 304 King, 306 Carlton and 505 Dundas
- There are sidewalks located on both side of the street

Riverdale Park East is located on the west side of Broadview Avenue, between Victor Avenue and Millbrook Crescent, and immediately to the north of the park are swimming pools, skating rink, and tennis court, between Millbrook Crescent and Montcrest Boulevard. The east side of Broadview Avenue is mainly comprised of residential homes, medical facilities and a café.

In reviewing the area conditions, there are currently three pedestrian crossovers adjacent to Riverdale Park East. These three are on Broadview Avenue at its intersections with Millbrook Crescent, Withrow Avenue and Langley Avenue.

It should be noted that Broadview Avenue will be undergoing watermain replacement between 2021 and 2022, major road resurfacing in 2022, sidewalk widening and TTC streetcar track replacement in 2023.

Traffic Control Signals

To determine the need for traffic control signals on Broadview Avenue, staff rely on the justification criteria as outlined in the Ontario Traffic Manual (OTM) Book 12. The OTM justification criteria includes factors such as volume of vehicles and pedestrians, delay to cross traffic, and collision history. In addition to these technical justifications, staff consider an environmental checklist which includes: consideration of road width, posted speed limit, operating speeds, adjacent land uses, pedestrian desire lines and demographics, presence of a transit stop, sight lines, and distance between existing crossing opportunities.

After reviewing historic traffic counts on Broadview Avenue, between Moncrest Boulevard and Victor Avenue, it was noted that the only counts available are for the intersection of Broadview Avenue and Millbrook Crescent which was collected in 2005.

Due to Covid-19, traffic investigations that require the collection of pedestrian/vehicle volume information have been suspended indefinitely due to reduced and frequent fluctuation of traffic volumes.

As such, staff cannot provide an assessment of the most suitable location for Traffic Control signals on Broadview Avenue given the lack of, and out-of-date traffic counts currently available.

Staff supports collecting up-to-date information once the City's traffic count program resumes and traffic patterns begin to normalize, at which time, staff can provide an updated report to Toronto and East York Community Council if additional controls along Broadview Avenue are warranted.

Other Considerations

If, despite the findings above, City Council decides to proceed with installing traffic control signals, the following impacts should be noted:

- There is potential for increase in delays to transit service on Broadview Avenue
- Signal coordination will not be possible between traffic control signals and pedestrian crossovers

The Ward Councillor has been advised of the recommendation of this staff report.

CONTACT

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SIGNATURE

for
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ATTACHMENTS
