

Traffic Control Signals - Jones Avenue and Boulton Avenue

Date: May 8, 2017
To: Toronto and East York Community Council
From: Acting Director, Transportation Services, Toronto and East York District
Wards: Ward 30, Toronto-Danforth

SUMMARY

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

Transportation Services is requesting approval to deny the installation of traffic control signals at the intersection of Jones Avenue and Boulton Avenue. The technical justification for the installation of traffic control signals is not satisfied. Therefore, the installation of traffic control signals at the intersection of Jones Avenue and Boulton Avenue is not recommended.

RECOMMENDATIONS

The Acting Director, Transportation Services, Toronto and East York District recommends that:

1. City Council deny the installation of traffic control signals at the intersection of Jones Avenue and Boulton Avenue.

FINANCIAL IMPACT

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

DECISION HISTORY

At its meeting on April 4, 2017, Toronto and East York Community Council adopted item TE23.108, requesting Transportation Services, Toronto and East York District to review and report back to Toronto and East York Community Council regarding the installation of a traffic control signal at the intersection of Jones Avenue and Boulton Avenue. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2017.TE23.108>

COMMENTS

Jones Avenue is a two-lane minor arterial roadway which runs north-south and operates two-way. There is a designated left-turn lane in the northbound direction at its intersection with Boulton Avenue. A designated bicycle lane is provided on both the east and west side of Jones Avenue. The posted speed limit is 40 km/h and the daily two-way volume is approximately 10,800 vehicles. TTC service is provided by the "83 Jones" bus route. On-street parking is provided on the east and west side of Jones Avenue, north of Boulton Avenue. A pedestrian crossover is currently in operation across the south leg of Jones Avenue, at Boulton Avenue.

Boulton Avenue is a two-lane local roadway which runs east-west and operates two-way. Boulton Avenue is stop-controlled at its intersection with Jones Avenue and the east and west legs are offset by approximately 25 metres, where they intersect Jones Avenue. The posted speed limit is 30 km/h and the daily two-way volume is approximately 1,018 vehicles.

Blake Street Public School (No. 21 Boulton Avenue) is located at the southwest corner of this intersection and École élémentaire catholique du Bon-Berger (No. 343 Jones Avenue) is located at the southeast corner.

Adjacent traffic control signals are located approximately 400 metres to the south, at Gerrard Street East, and a pedestrian crossover is located approximately 490 metres to the north, at Strathcona Avenue.

Analysis

Collision Review

Collision statistics provided by the Toronto Police Service for the three-year period ending December 31, 2016 disclosed that 6 collisions had occurred at the intersection of Jones Avenue and Boulton Avenue. Of these 6 collisions, one involved a pedestrian and one involved a cyclist. Of these six collisions, two were considered to be potentially preventable by the installation of traffic control signals. Further review of these collisions did not disclose a pattern as to the location or time of day/day of the week that the collisions occurred.

Traffic Control Signal Evaluation

Traffic volume counts were undertaken at Jones Avenue and Boulton Avenue in February 2017. Based on the eight hour vehicular and pedestrian traffic counts, and the collision history, the technical justifications for the installation of traffic control signals are satisfied to the following extent:

Justification 1:	Minimum Vehicular Volume	59 percent;
Justification 2:	Delay to Cross Traffic	67 percent; and
Justification 3:	Collision Hazard	13 percent

To meet the technical requirements for the installation of traffic control signals, one of the Minimum Vehicular Volume or Delay to Cross Traffic justifications must be 100 percent satisfied, or any two of the three justifications must be at least 80 percent satisfied. Based on the above, the warrant criteria for the installation of traffic control signals at the intersection of Jones Avenue and Boulton Avenue have not been satisfied at this time.

Summary

Based on the above review, Transportation Services does not recommend the installation of traffic control signals at the intersection of Jones Avenue and Boulton Avenue.

Additionally, the installation of traffic control signals at this intersection would result in the following negative impacts:

- **Loss of Parking**
With any installation of traffic control signals, parking must be prohibited at all times within 30.5 metres of the intersection. As many as eight on-street parking spaces on Boulton Avenue (4 of which are within a permit parking area) and 6 on-street parking spaces on Jones Avenue (all of which are within a permit parking area) may need to be removed;
- **Impacts to Pedestrians**
There may be an increase in delays to pedestrians, who will be required to wait for a "Walk" signal, rather than crossing upon pressing the pedestrian push button.
- **Impacts to TTC**
The potential for increase in delays to transit service along Jones Avenue and relocation of the southbound and northbound bus stops on Jones Avenue at Boulton Avenue.

Councillor Paula Fletcher has been advised of the recommendations in this report.

CONTACT

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SIGNATURE

Dave Twaddle, C.E.T.
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ATTACHMENTS

1. Drawing No. 421G-2529, dated May 2017

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