

Traffic Control Signals - Dufferin Street and Croatia Street

Date: May 5, 2023

To: Toronto and East York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 9, Davenport

SUMMARY

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

As per conditions of approval for the development at 1141 Bloor Street West, 980 Dufferin Street and 90 Croatia Street, the installation of traffic control signals at the intersection of Dufferin Street and Croatia Street is required. The technical justification for the installation of traffic control signals is satisfied, therefore, the installation of traffic control signals on Dufferin Street and Croatia Street is recommended.

Transportation Services supports the installation of traffic control signals at the intersection of Dufferin Street and Croatia Street.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. City Council authorize the installation of traffic control signals at the intersection of Dufferin Street and Croatia Street.

FINANCIAL IMPACT

There are no financial implications associated with adoption of this report as funding has been secured from the proponents of the 1141 Bloor Street West/980 Dufferin Street/90 Croatia Street development for the new signal and other road improvements along Dufferin Street. These funds were secured through Zoning By-law Amendment Application No. 17 237256 STE 18 OZ and Draft Plan of Subdivision Application No. 17 237276 STE 18 SB.

DECISION HISTORY

On April 12, 2023, Toronto and East York Community Council adopted Item TE.56 - Traffic Control Signals - Bloor Street West and Pauline Avenue/Collegiate Road. These signals are also being proposed in conjunction with the subject development. The Toronto and East York Community Council decision can be found at:

<https://secure.toronto.ca/council/agenda-item.do?item=2023.TE4.56>

Through Zoning By-law Amendment Application No. 17 237256 STE 18 OZ and Draft Plan of Subdivision Application No. 17 237276 STE 18 SB, the installation of traffic control signals was secured for the intersection of Dufferin Street and Croatia Street. In its July 19, 2022 decision, City Council approved the development by adopting Item No. MM47.88. The City Council decision can be found at:

[Agenda Item History - 2022.MM47.88 \(toronto.ca\).](#)

COMMENTS

As part of conditions of approval at the development review stage for 1141 Bloor Street West, 980 Dufferin Street and 90 Croatia Street, new traffic control signals are to be installed at the intersection of Dufferin Street and Croatia Street.

The development site is located in the southwest quadrant of the Bloor Street West and Dufferin Street intersection, bounded on the north by Bloor Street West, on the east by Dufferin Street, on the south by Croatia Street, and on the west by a private laneway. This development also includes a new public road, Collegiate Road (extension of existing Pauline Avenue on the north side of Bloor Street West). The new extension of Pauline Avenue on the south side of Bloor Street West will be a dedicated public highway. The new public road, Collegiate Road will have an approximate distance of 175 metres and will terminate at Croatia Street.

The overall site lands are divided into six (6) Blocks, A to F, which are proposed to include a maximum of 2,018 dwelling units and 22,000 square metres of non-residential gross floor area (GFA) for retail, office, and community centre/daycare uses. A total of 836 parking spaces are proposed within two-levels of underground parking.

Existing Conditions

Dufferin Street is characterized by the following conditions:

- It is a north-south, major arterial roadway that is comprised of two lanes in each direction for general traffic
- It operates two-way traffic on a pavement width of approximately 12.8 metres
- The daily two-way traffic volume is approximately 14,500 vehicles
- The speed limit is 40 km/h
- Heavy trucks are permitted at all times
- There is TTC Bus service provided by the '29 Dufferin', '929 Dufferin Express' and '329 Dufferin Night Bus'
- There are sidewalks located on both sides of the street

Croatia Street is characterized by the following conditions:

- It is an east-west, local roadway that is comprised of one lane in each direction for general traffic
- It operates two-way traffic on a pavement width of approximately 7.3 metres
- The daily two-way traffic volume is approximately 1,600 vehicles
- The speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There is no TTC service provided
- There are sidewalks located on both sides of the street

Dufferin Street and Croatia Street form a "T" type intersection. There is an existing Stop control on Croatia Street at Dufferin Street for eastbound motorists.

The adjacent land use in this area is a mix of residential, business and commercial. There is a shopping mall, 'Dufferin Mall', on the south side of Croatia Street, west of Dufferin Street. Vehicular access (entrance/exit) to the mall is provided on Croatia Street and Dufferin Street.

The closest adjacent traffic controls are located approximately 175 metres to the north at Bloor Street West and Dufferin Street and approximately 140 metres to the south at Dufferin Park Avenue/Dufferin Mall driveway and Dufferin Street in the form of traffic control signals. It is also noted that as part of the subject development, traffic control signals have also been proposed at the intersection of Bloor Street West and Pauline Avenue/Collegiate Road, replacing the existing pedestrian crossover (PXO).

A map of the area is included in Attachment 1.

Traffic Control Signals

One of the conditions of approval for the development on the south side of Bloor Street West was that traffic control signals be installed at the intersection of Dufferin Street and Croatia Street. A traffic signal warrant analysis was conducted by the proponents' transportation consultant, BA Group, as per the submitted Urban Transportation Considerations report dated September 2017, which includes projected traffic generated by the development, vehicle and pedestrian counts, delay to cross traffic and collision history.

Warrant Compliance - Dufferin Street and Croatia Street

Justification	Compliance level
Minimum vehicular volume	83%
Delay to cross traffic (pedestrians and vehicles)	100%
Collision hazard	33%

To meet the justification criteria for the installation of traffic control signals, one of the justifications must be 100 percent satisfied or both the minimum vehicular volume and delay to cross traffic justifications must be at least 80 percent satisfied. Based on the technical warrant criteria, the installation of traffic control signals is technically justified.

The TTC has been consulted and concurs with these findings. However, as noted in their memorandum dated July 26, 2022, the applicant is required to equip the new signal with transit signal priority at no cost to the TTC. As such the applicant is required to pay \$35,000 for the installation of a signal priority at the new intersection of Dufferin Street and Croatia Street, as required by the TTC.

Transportation Services is recommending the installation of traffic control signals at the intersection of Dufferin Street and Croatia Street.

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

CONTACT

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SIGNATURE

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

ATTACHMENTS

Attachment 1: Map - Traffic Control Signals - Dufferin Street and Croatia Street

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