

Traffic Control Signals - Caledonia Road and Norman Avenue

Date: June 3, 2024

To: Toronto and East York Community Council

From: Deputy General Manager, Transportation Services

Wards: Ward 9, Davenport

SUMMARY

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

As per conditions of approval for the development at 1500-1536 St. Clair Avenue West and 20-36 Caledonia Road, the existing pedestrian crossover (PXO) at Caledonia Road, immediately south of Norman Avenue, is to be replaced with traffic control signals at the intersection of Caledonia Road and Norman Avenue.

Transportation Services supports the installation of traffic control signals at the intersection of Caledonia Road and Norman Avenue.

RECOMMENDATIONS

The Deputy General Manager, Transportation Services recommends that:

1. City Council authorize the installation of traffic control signals at the intersection of Caledonia Road and Norman Avenue.
2. Subject to approval of Recommendation 1 above and in conjunction with the installation of traffic control signals at Caledonia Road and Norman Avenue, City Council:
 - a. authorize removal of the pedestrian crossover on Caledonia Road, immediately south of Norman Avenue; and
 - b. prohibit stopping at all times on the north and south sides of Norman Avenue, between a point 15 metres east of Caledonia Road and a point 15 metres west of Caledonia Road.

FINANCIAL IMPACT

There are no financial implications associated with adoption of this report as funding has been secured from the proponents of the 1500-1536 St. Clair Avenue West and 20-36 Caledonia Road development for the new signal and other road improvements along Caledonia Road to the south of the intersection with Norman Avenue. These funds are to be secured through Zoning By-law Amendment Application No. 21 175097 STE 09 OZ and Site Plan Control Application No. 22 136574 STE 09 SA.

DECISION HISTORY

There is no decision history at this intersection.

COMMENTS

The above-noted development site is located on the northwest corner of St. Clair Avenue West and Caledonia Road, extending from St. Clair Avenue West to the northern property line of 36 Caledonia Road.

The current proposal includes two (2) buildings at 18 and 16 storeys containing a total of 770 residential dwelling units, 1,161 sq. metres of retail gross floor area (GFA), and 285 parking spaces. Access for the subject site will be provided via a driveway connection to Caledonia Road.

In coordination with Transportation Services staff, a two-way cycle path will be provided within the west boulevard of the Caledonia Road site frontage. This is to provide a continuation of the uni-directional cycle lanes that are to be constructed by the City/Transportation Services along Caledonia Park Road, south of St. Clair Avenue West. This cycling facility will continue north to Lambert Avenue, with a potential connection to be provided north via the north-south public laneway connection to Norman Avenue.

As part of conditions of approval at the development review stage, new traffic control signals are to be installed at the intersection of Caledonia Road and Norman Avenue, and the existing PXO on Caledonia Road immediately south of Norman Avenue is to be removed.

It is noted that in addition to the subject proposal, nearby development sites have been identified at 1474 St. Clair Avenue West and 1613 St. Clair Avenue West (under review), along with 56-60 Caledonia Road and 1492 St. Clair Avenue West (submitted as pre-applications). These four (4) proposals would add approximately 715 residential dwelling units, 1,130 sq. metres of retail GFA, 2,590 sq. metres of office (including medical office) GFA, and 55 sq. metres of community space to the immediate area.

Existing Conditions

Caledonia Road is characterized by the following conditions:

- It is a north-south minor arterial roadway comprised of a single lane in each direction for general traffic, with on-street parking permitted on the west side of the street
- It operates two-way traffic on a pavement width of approximately 8.0 metres
- The daily two-way traffic volume is approximately 14,000 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is TTC service provided by the 47 Lansdowne bus
- There are sidewalks located on both sides of the street

Norman Avenue is characterized by the following conditions:

- It is an east-west local roadway comprised of a single lane in each direction, with on-street parking permitted on both sides of the street
- It operates one-way traffic on a pavement width of approximately 8.0 metres
- The daily two-way traffic volume is approximately 800 vehicles
- The speed limit is 40 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

Caledonia Road and Norman Avenue currently form a four-legged intersection with side-street stop-controls installed on Norman Avenue. As noted, there is an existing PXO on Caledonia Road, immediately south of Norman Avenue.

The closest adjacent traffic signal controls are located approximately 255 metres to the south at St. Clair Avenue West. An adjacent PXO is located approximately 365 metres to the north at Innes Avenue.

A map of the area is included in Attachment 1.

Traffic Control Signals

One of the conditions of approval for the development on the northwest corner of St. Clair Avenue West and Caledonia Road is that the existing PXO be replaced with traffic control signals at the intersection of Caledonia Road and Norman Avenue.

It is noted that a traffic signal control warrant was not submitted by the applicant at 1500-1536 St. Clair Avenue West and 20-36 Caledonia Road. Due to the low vehicular volumes approaching Caledonia Road via Norman Avenue, the traffic signal controls will not be technically justified based on the standard criteria. Nevertheless, Transportation Services notes the following additional considerations:

- The proposed scale of the overall development at 1500-1536 St. Clair Avenue West and 20-36 Caledonia Road includes 770 residential dwelling units, 1,161 sq. metres of retail GFA, and 285 parking spaces. As noted, further development could provide upwards of 715 residential dwelling units, 1,130 sq. metres of retail GFA, 2,590 sq.

metres of office (including medical office) GFA, and 55 sq. metres of community space to the immediate area.

- Given the presence of the existing PXO and TTC transit stops at Norman Avenue, there is enough existing pedestrian demand at the intersection with Caledonia Road to require a protected crossing. It is noted that this segment of Caledonia Road has traffic control signals (not PXOs) spaced at approximately 870 metres between St. Clair Avenue West and Rogers Road.
- The installation of cycling facilities along the west side of Caledonia Road will divert cycling traffic in the area to the intersection at Norman Avenue. While it is unlikely at this time for the final alignment of these cycling facilities to connect directly with the intersection at Caledonia Road/Norman Avenue, the traffic control signals at this location will better and more safely connect the east and west sides of the corridor.

As such, notwithstanding the numeric warrants not being satisfied based on any existing or projected future vehicular volumes, Transportation Services recommends the installation of traffic signal controls at the Caledonia Road and Norman Avenue intersection based on improved pedestrian and cycling safety and for the overall road network connectivity benefits.

The TTC has been circulated on the conceptual designs for the traffic control signals at Caledonia Road and Norman Avenue, with no further comments or requirements provided at this time.

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

CONTACT

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SIGNATURE

Ashley Curtis
Deputy General Manager, Transportation Services

ATTACHMENTS

Attachment 1: Map - Traffic Control Signals - Caledonia Road and Norman Avenue

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