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TO: Councillor Justin Di Ciano, Ward 5, Etobicoke-Lakeshore

FROM: Nazzareno Capano, Acting Manager, Traffic Operations-Etobicoke York District

DATE: May 9, 2018

SUBJECT: Service Request # 8583826 – Montgomery Road at Loyalist Road
Request for Pedestrian Crossover

This memorandum is in response to the request from your office, on behalf of an area resident, to investigate the feasibility of installing a Pedestrian Crossover (PXO) on Montgomery Road in the area of Etobicoke Collegiate Institute. Staff completed a traffic study at the intersection of Montgomery Road and Loyalist Road and offer the following comments.

Context/History

Montgomery Road is a two-lane road classified in the City's Road Classification System as a "Collector" road. Loyalist Road is a two-lane road classified as a "Local" road. The legal speed limit on both Montgomery Road and Loyalist Road is 40 km/h. A continuous sidewalk is present on the west side of Montgomery Road for its entire length between Bloor Street West and Dundas Street West. There is no sidewalk on the east side of Montgomery Road, except for the section between Loyalist Road and Lynngrove Avenue. There are no sidewalks on either side of Loyalist Road.

The intersection of Montgomery Road and Loyalist Road is a three-legged "T" intersection with "STOP" sign control for westbound motorists on Loyalist Road. An all-way stop control is located on Montgomery Road approximately 80 metres south at Allanbrooke Drive. Etobicoke Collegiate Institute is located on the west side of the street at 86 Montgomery Road, opposite the intersections of Montgomery Road and Loyalist Road; and, Montgomery Road and Allanbrooke Drive.

Data Collection/Analysis

To address the concerns regarding pedestrian safety and the feasibility of installing a pedestrian crossover on Montgomery Road at Loyalist Road, an eight-hour pedestrian delay study was conducted on January 24, 2018, in which we recorded the volume and delays experienced by pedestrians crossing Montgomery Road at Loyalist Road. In order to satisfy the Pedestrian Crossover Warrant, two categories must be 100% fulfilled. Our study revealed that these categories, "Pedestrian Volume" and "Pedestrian Delays", were 12% and 0% fulfilled respectively. The study details are outlined in the attached *Technical Summary, Section 2.0*.

A review of the Toronto Police Service collision history over the past five-year period (January 1, 2012 – December 31, 2016), for which we have complete data, reveals that there have been no reportable collisions that involved pedestrians at the intersection of Montgomery Road and Loyalist Road. Please see details in the attached *Technical Summary, Section 3.0*.

Conclusion/Recommendations

Based on the results of our studies, the installation of pedestrian crossover on Montgomery Road at Loyalist Road is not justified nor recommended as the pedestrian crossover warrant requirements are not satisfied.

Please note that many other similar locations exist throughout the City that does not meet the minimum requirements for the installation of additional traffic controls. At any of these locations, we encourage pedestrians to wait until a suitable safe gap occurs in the traffic flow to safely cross the road or utilize other crossing devices in the area.

Should you have any questions regarding our studies, please contact Mark Hargot, Supervisor of Traffic Operations, Etobicoke York District at 416-394-8453.

Sincerely,



Nazzareno A. Capano, P. Eng.
Acting Manager, Traffic Operations, Etobicoke York District

TK/tk

att.

cc. Councillor John Campbell, Ward 4, Etobicoke Centre
Street File "Montgomery Road" and "Loyalist Road"

TECHNICAL SUMMARY
Montgomery Road and Loyalist Road

Roadway Classification

Roadway	Classification	Typical Daily Vehicle Volume
Montgomery Road	Collector	> or = 2,500 – 8,000
Loyalist Road	Local	< 2,500

1.0 Existing Roadway Conditions

- Sidewalk present on the west side between Bloor Street West and Dundas Street West.
- Sidewalk present on the east side of Montgomery Road, between Loyalist Road and Lynngrove Avenue.
- No sidewalks located on either side of Loyalist Road.
- An all-way stop control is located approximately 80 metres south at the intersection of Montgomery Road and Allanbrooke Drive.
- 40 km/h speed limit on Montgomery Road and Loyalist Road.

2.0 Pedestrian Crossover Warrant

The justification for the installation of a pedestrian crossover (PXO) is based on a technical warrant established by the Ministry of Transportation of Ontario (MTO). The analysis of this warrant is based on data compiled from an 8-hour traffic study.

Location: Montgomery Road at Loyalist Road
 Study Date: Wednesday, January 24, 2018
 Study Hours: 7:30 a.m. to 9:30 a.m., 10:00 a.m. to 11:00 a.m., 12:00 noon to 1:30 p.m., 2:15 p.m. to 3:45 p.m. and 4:00 p.m. to 6:00 p.m.

MTO - PXO Warrant	Required Volume	Recorded Volume (adjusted)	Compliance
Adjusted Pedestrian Volume	524*	63	12%
Pedestrian Delays Greater Than 10 Seconds	n/a**	6	0%

* Based on a twelve-hour vehicular volume of 3,558

** A recorded adjusted pedestrian volume of at least 200 is required to determine the required pedestrian delay volume.

- To warrant the installation of a pedestrian crossover, compliance levels of 100% are required in both of the above categories.
- The PXO warrant provides an adjustment factor (of 2) for senior citizens, unassisted children and physically disabled pedestrians. The following table summarizes the adjusted number of pedestrians, by type, crossing Montgomery Road in the area of Loyalist Road during the aforementioned study.

TECHNICAL SUMMARY
Montgomery Road and Loyalist Road

<i>Types of Pedestrians</i>	<i>Number of Pedestrians (adjusted)</i>
Assisted Children*	1
Unassisted Children	36
Youths / Adults	26
Senior Citizens	0
Physically Disabled	0

*Assisted Children are children crossing the road assisted by a youth, adult or senior citizen.

3.0). Toronto Police Service Collision Records

Five years review period for which we have complete data: January 1, 2012 to December 31, 2016

Location: Intersection of Montgomery Road and Loyalist Road

Year	Total Reported Collisions	<i>Collisions Related to Pedestrians</i>	Other
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	1	0	1
2016	0	0	0