

## **Pedestrian Crossing Protection - Chartwell Road and Badger Drive**

**Date:** August 23, 2021  
**To:** Etobicoke York Community Council  
**From:** Acting Director, Traffic Management, Transportation Services  
**Wards:** Ward 3, Etobicoke-Lakeshore

### **SUMMARY**

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This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

Transportation Services is recommending the installation of a pedestrian crossover (Level 2 PXO) on Chartwell Road and Badger Drive. The PXO will provide enhanced safety for vulnerable road users and is justified based on the assessment undertaken.

### **RECOMMENDATIONS**

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

1. Etobicoke York Community Council authorize the installation of a pedestrian crossover on Chartwell Road and Badger Drive.

### **FINANCIAL IMPACT**

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The estimated cost for installing a PXO on Chartwell Road is approximately \$50,000. Funding is available within the Transportation Services 2021 Capital Budget.

### **DECISION HISTORY**

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This report addresses a new initiative.

## COMMENTS

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Transportation Services was requested by the Ward Councillor, on behalf of area residents to review the need for pedestrian crossing protection on Chartwell Road at Badger Drive. This request is to enhance safety for children crossing to and from the school.

### Existing Conditions

Chartwell Road is characterized by the following conditions:

- It is a two-lane, north/south, local roadway
- It operates two-way traffic on a pavement width of approximately 8.5 metres
- The daily two-way traffic volume is approximately 1,300 vehicles
- The posted speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There are sidewalks located on both sides of the street
- Traffic calming (speed humps) exist on the street
- A community safety zone exists near Norseman Junior Middle School on the south-west corner with Norseman Street

Badger Drive is characterized by the following conditions:

- It is a two-lane, east/west, local roadway
- It operates two-way traffic on a pavement width of approximately 8.5 metres
- The daily two way traffic volume is approximately 400 vehicles
- The posted speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There are sidewalks located on both sides of the street.

Badger Drive meets Chartwell Road on the east side to form a "T" intersection, controlled by a stop sign for westbound traffic on Badger Drive. The north/south traffic on Chartwell Road is free-flow.

The adjacent land use on Chartwell Road is institutional and residential on the west and east side, respectively.

The closest adjacent traffic controls are located approximately 170 metres to the north at Norseman Street in the form of a stop sign and approximately 380 metres to the south at Ambleside Avenue, also in the form of a stop sign.

A map of the area is shown on Attachment 1.

### Pedestrian Crossover (PXO)

To determine the need for a PXO at Chartwell Road and Badger Drive staff rely on the justification criteria as outlined in the Ontario Traffic Manual (OTM) Book 15. The OTM justification criteria for a Level 1 PXO requires a minimum of 2,000 vehicles over 12 hours. The most recent vehicle volume count on Chartwell Road reveals only 1,117

over 12 hours. Over our four-hour study, 264 pedestrian were recorded crossing Chartwell Road at Badger Drive.

Although a Level 1 PXO is not warranted, as part of a pilot program, Level 2 PXO's have been installed at five locations in the City of Toronto. The Level 2 PXO pilot locations have proven to be effective and staff are in the process of developing a warrant for the future installations. While we anticipate this warrant will be developed in the near future, as this portion of Chartwell Road is scheduled for reconstruction this year, this is an opportunity to coordinate the installation of crossing protection at this intersection.

Staff also reviewed the collision history at this location. Collision statistics provided by the Toronto Police Service for the three-year period ending December 31, 2019, disclosed no (0) collisions at Chartwell Road and Badger Drive that involved crossing pedestrians.

In considering the above, Transportation Services recommends the installation of a Level 2 PXO at Chartwell Road and Badger Drive as it will provide enhanced safety for all road users.

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

## **CONTACT**

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## **SIGNATURE**

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

## **ATTACHMENTS**

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Attachment 1: Map - Pedestrian Crossover - Chartwell Road and Badger Drive

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