

Pedestrian Crossing Protection - Lawrence Avenue East and Underhill Drive/Railside Road

Date: October 2, 2025

To: North York Community Council

From: Director, Enforcement and Street Management, Transportation Services

Wards: Ward 16 - Don Valley East

SUMMARY

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

Transportation Services has reviewed the need for pedestrian crossing protection at the southbound right-turn channel at the intersection of Lawrence Avenue East and Underhill Drive/Railside Road. Based on the assessment undertaken, Transportation Services is recommending the installation of a pedestrian crossover (PXO). The PXO will provide enhanced safety for vulnerable road users.

RECOMMENDATIONS

The Director, Enforcement and Street Management, Transportation Services recommends that:

1. City Council authorize the installation of a pedestrian crossover (PXO) at the right-turn channel at the northwest corner of the intersection of Lawrence Avenue East and Underhill Drive/Railside Road.

FINANCIAL IMPACT

The estimated cost for installing a PXO at the right-turn channel at the northwest corner of the intersection of Lawrence Avenue East and Underhill Drive/Railside Road is \$600.00. The funding for these signs is available in the Transportation Services 2025 Capital Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services staff was requested by the Ward Councillor, on behalf of area residents, to enhance pedestrian safety crossing the right-turn channel at the northwest corner of the intersection of Lawrence Avenue East and Underhill Drive/Railside Road.

Existing Conditions

Lawrence Avenue West at the subject intersection is characterized by the following conditions:

- It is an eight-lane, east-west, major arterial roadway
- It operates two-way traffic on a pavement width of approximately 27.5 metres
- The daily two-way traffic volume is approximately 45,000 vehicles
- The speed limit is 60 km/h west of the subject intersection and 50 km/h to the east
- Heavy trucks are permitted at all times
- There is TTC service provided by the 54, 91, 954, 354 buses
- There are sidewalks located on both sides of the street

Underhill Drive/Railside Road are characterized by the following conditions:

- They are three lane, north/south collector roadways
- They operate two-way traffic on a pavement width of approximately 12.5 metres
- The daily two-way traffic volume is approximately 11,000 vehicles
- The speed limit is 40 km/h on Underhill Drive and 50 km/h on Railside Road
- Heavy trucks are prohibited on Underhill Drive and permitted on Railside Road
- There is TTC service provided by the 191 bus on Underhill Drive and 191 bus on Railside Road
- There are sidewalks located on both sides of Underhill Drive and the east side of Railside Road

The intersection of Lawrence Avenue East and Underhill Drive/Railside Road is controlled by traffic signals. There is a southbound right-turn channel at the intersection that is yield controlled. There is no supporting bylaw for the yield sign.

The land use in this area is residential, north of Lawrence Avenue East and commercial, to the south.

A map of the area is shown in Attachment 1.

Pedestrian Crossover (PXO)

To determine the need for a PXO at the southbound right-turn channel at the intersection of Lawrence Avenue East and Underhill Drive/Railside Road, staff rely on the justification criteria and application information as outlined in the Ontario Traffic Manual (OTM) Book 15. While OTM Book 15 notes that both yield signs and Level 2 Type D PXOs are appropriate for use at right-turn channels, staff recommend the installation of a Level 2 Type D PXO. The PXO signage and pavement markings are a

more explicit indication to people driving to be aware of and stop for pedestrians who may be crossing in the channel.

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

CONTACT

Shawn Dillon, Manager Traffic Operations (Area 2), Transportation Services, 416-394-8409, Shawn.Dillon@toronto.ca

SIGNATURE

Mike Barnet, P.Eng.
Director, Enforcement and Street Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - Pedestrian Crossing Protection - Lawrence Avenue West and Underhill Drive

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