

Pedestrian Crossover - Elm Ridge Drive

Date: December 10, 2019
To: North York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 8, Eglinton-Lawrence

SUMMARY

This staff report is about a matter for which Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

Transportation Services is requesting North York Community Council to authorize the installation of a pedestrian crossover (PXO) on Elm Ridge Drive, at a point approximately 100 metres west of Newgate Road. This installation would be situated at the pedestrian path, just west of William R. Allen Road. The installation of a PXO is technically justified and will enhance safety for pedestrians crossing at this location. However, this installation may increase delays for motorists on Elm Ridge Drive, as these movements will no longer operate with free flow. This would result in the loss of three overnight permit parking spaces.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that North York Community Council:

1. Authorize the installation of a pedestrian crossover on Elm Ridge Drive, at a point approximately 100 metres west of Newgate Road.

FINANCIAL IMPACT

The estimated cost for installing a PXO on Elm Ridge Drive is approximately \$60,000. This installation would be considered in 2021, subject to the availability of funding and competing priorities.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by Councillor Mike Colle, on behalf of residents, to review the need for pedestrian crossing protection where a pedestrian path crosses Elm Ridge Drive to the west of William R. Allen Road.

Elm Ridge Drive is a 10.5 metre wide collector street that consists of one lane in each direction with painted bicycle sharrows. The roadway has a posted speed limit of 40 km/h with a daily two-way traffic volume of approximately 3,200 vehicles. There are sidewalks on both sides of the street. There is a pedestrian path that crosses Elm Ridge Drive, just west of William R. Allen Road that runs north to Glen Park Avenue and south to Whitmore Avenue.

Parking is prohibited at all times on the north side of Elm Ridge Drive. Parking is allowed for three hours during the day (unsigned) and by permit from 12:01 a.m. to 7:00 a.m. on the south side of Elm Ridge Drive.

The land use in this area is mainly residential, ranging from single family homes east of William R. Allen Road to mid to high rise apartments west of William R. Allen Road.

The nearest protected pedestrian crossings on Elm Ridge Drive are located 260 metres to the west at the traffic control signals at Marlee Avenue and 100 metres to the east at the all-way stop controlled intersection at Newgate Road.

A review of Toronto Police Service collision records for the three-year period ending May 16, 2019 revealed that there were three reported collisions in the vicinity of the subject pedestrian path. None of these involved a pedestrian.

To determine the need for pedestrian crossing protection, a weekday eight-hour pedestrian volume and delay study was undertaken in the vicinity of the pathway on May 22, 2019. The study revealed that 471 pedestrians crossed Elm Ridge Drive in this area, comprised of the following types:

- 326 youths and adults;
- 145 assisted children;
- 0 unassisted children, seniors or persons with accessibility needs.

Of these 471 pedestrians, 198 experienced delays greater than 10 seconds to cross.

To support the installation of a PXO, the warrants require a minimum of 230 pedestrians over eight hours, based on the traffic volume on Elm Ridge Drive. Also, based on the pedestrian crossing volume, at least 90 pedestrians must be delayed more than 10

seconds. Based on the study results, the warrants for the installation of a pedestrian crossing device at this location are satisfied to the following extent:

Table 1: Elm Ridge Drive - Pedestrian Crossover Warrant Criteria and Compliance

Criteria	Compliance
Pedestrian Volume	100 percent
Pedestrian Delay	100 percent

Considering the above, the installation of a pedestrian crossing device is warranted on Elm Ridge Drive in the vicinity of the pedestrian path to the west of the William R Allen Road. A review of the roadway environment reveals that a PXO is the appropriate crossing device at this location.

The installation of a PXO will enhance safety for pedestrians crossing Elm Ridge Drive, but will result in increased delays for traffic on Elm Ridge Drive as east-west traffic will no longer operate free flow. There will also be the loss of three overnight permit parking spaces.

The Ward Councillor is aware of the recommendation of this staff report.

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SIGNATURE

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ATTACHMENTS

Attachment 1: Map - Elm Ridge Drive - Proposed Pedestrian Crossover

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