

Traffic Control Signals - Oakdale Road and Eddystone Avenue

Date: April 10, 2025

To: Etobicoke York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 7 - Humber River-Black Creek

SUMMARY

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

Transportation Services is requesting approval to install traffic control signals at the intersection of Oakdale Road and Eddystone Avenue. The traffic control signals will provide enhanced safety for all road users and is justified based on the assessment undertaken.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. City Council authorize the installation of traffic control signals at the intersection of Oakdale Road and Eddystone Avenue.
2. Subject to approval of Part 1 above and in conjunction with the installation of traffic control signals at Oakdale Road and Eddystone Avenue, City Council rescind the existing all way compulsory stop control at the intersection of Oakdale Road and Eddystone Avenue.
3. City Council authorized the removal of the city owned tree located in the boulevard, on the northeast corner of Oakdale Road and Eddystone Avenue.

FINANCIAL IMPACT

The estimated cost for installing traffic control signals at Oakdale Road and Eddystone Avenue is \$250,000.00. Funding would be subject to availability and competing priorities within the Transportation Services 2025 Capital Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by a local resident to investigate the feasibility of installing traffic control signals at the intersection of Oakdale Road at Eddystone Avenue.

Existing Conditions

Oakdale Road is characterized by the following conditions:

- It is a two-lane, north-south, minor arterial roadway
- It operates two-way traffic on a pavement width of approximately 11 metres
- The daily two-way traffic volume is approximately 14,000 vehicles
- Painted urban shoulders are located on both sides of the street.
- The speed limit is 50 km/h
- Heavy trucks are permitted at all times
- There is TTC service provided by the 84 Sheppard West bus
- There are sidewalks located on both sides of the street

Eddystone Avenue is characterized by the following conditions:

- It is a two-lane, east-west, collector roadway
- It operates two-way traffic on a pavement width of approximately 10 metres
- The daily two-way traffic volume is approximately 5,500 vehicles
- The speed limit is 50 km/h
- Heavy trucks are permitted at all times
- There is no TTC service
- There are sidewalks located on both sides of the street

Right-of-way in at the intersection of Oakdale Road and Eddystone Avenue is currently controlled by an all-way stop.

The adjacent land use in this area is a primarily commercial/industrial. Northbound and Southbound bus stops are located on the near side approaches of Oakdale Road at Eddystone Avenue.

The closest adjacent traffic controls are located approximately 600 metres to the north in the form of a Pedestrian Crossover (PXO) and approximately 1200 metres to the south at Sheppard Avenue West and Oakdale Road in the form of traffic controls signals.

A map of the area is shown in Attachment 1.

Traffic Control Signals

To determine the need for traffic control signals at the intersection of Oakdale Road and Eddystone Avenue, staff rely on the justification criteria as outlined in the Ontario Traffic Manual (OTM) Book 12. The OTM justification criteria includes factors such as volume of vehicles and pedestrians, delay to cross traffic, and collision history. In addition to these technical justifications, staff consider an environmental checklist which includes consideration of road width, posted speed limit, operating speeds, adjacent land uses, pedestrian desire lines and demographics, presence of a transit stop, sight lines, and distance between existing crossing opportunities.

As part of the investigation, staff conducted vehicle and pedestrian counts on Tuesday, October 8, 2024, at the subject Oakdale Road and Eddystone Avenue. The results of the counts and collision hazard are summarized in Table 1. The "Collision hazard" criterion is based on the number of collisions potentially preventable by the installation of traffic control signals. Collision history provided by the Toronto Police Service for the three-year period ending December 31, 2024, disclosed 1 collision at the subject intersection that was potentially preventable by the installation of traffic control signals.

Table 1: Warrant Compliance - Oakdale Road and Eddystone Avenue

Justification	Compliance level
Minimum vehicular volume	100%
Delay to cross traffic (pedestrians and vehicles)	98%
Collision hazard	7%

To meet the technical justification criteria for the installation of traffic control signals, one of the justifications must be 100 percent satisfied or both the minimum vehicular volume and delay to cross traffic justifications must be at least 80 percent satisfied. Based on the results in Table 2, the installation of traffic control signals is warranted.

In regard to the environmental checklist, staff noted the following environmental factors:

- the presence of transit stops in both directions on Oakdale Road in the area of Eddystone Avenue that attract pedestrians to cross the street.
- the pedestrian generators in the immediate area, including commercial/industrial buildings, that attract vulnerable pedestrians to cross the street.

In considering the above environmental factors, Transportation Services recommends the installation of traffic control signals at Oakdale Road and Eddystone Avenue as it will provide enhanced safety for all road users.

The TTC has been consulted and concurs with these findings. However, TTC has indicated that the southbound bus stop may have to be relocated from the north approach to south of the intersection.

Other Considerations

It should also be noted that the installation of traffic control signals at Oakdale Road and Eddystone Avenue will result in the following impacts:

- There is potential for increase in delays to transit service on Oakdale Road.

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

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

ATTACHMENTS

Attachment 1: Map - Traffic Control Signals - Oakdale Road and Eddystone Avenue

Attachment 1: Map - Traffic Control Signals - Oakdale Road and Eddystone Avenue

