

Traffic Control Signals Review - Davenport Road and Dovercourt Road

Date: June 13, 2022

To: Toronto and East York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 9, Davenport

SUMMARY

At its meeting of June 18, 2020, Toronto and East York Community Council adopted Item 15.30 directing Transportation Services to review the effectiveness of the existing traffic control signals located at the intersection of Davenport Road and Dovercourt Road and report back on the findings.

Transportation Services has now conducted a review. This report provides an overview of the investigation undertaken by Transportation Services. The recently installed traffic control signals have improved safety for vulnerable road users by providing an enhanced protected crossing.

RECOMMENDATIONS

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

1. Toronto and East York Community Council receive this report for information.

FINANCIAL IMPACT

There is no financial impact resulting from the adoption of the recommendation in this report.

DECISION HISTORY

On June 18, 2020, Toronto and East York Community Council adopted Item TE15.30 (Traffic Control Signals at Dovercourt Road and Davenport Road), directing Transportation Services to report back on the effectiveness and impacts resulting from the installation of the traffic control signals at the intersection of Davenport Road and Dovercourt Road. The Toronto and East York Community Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2020.TE15.30>

On July 23, 24, 25, 26, 27 and 30, 2018, City Council adopted Item EY32.34 (Traffic Control Signals - Davenport Road and Dovercourt Road) approving traffic control signals at the intersection of Davenport Road and Dovercourt Road. The City Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2018.EY32.34>

COMMENTS

In response to the direction from Toronto and East York Community Council, Transportation Services has reviewed the operations of the traffic control signals at the intersection of Davenport Road and Dovercourt Road. The traffic control signals were activated on September 14, 2020.

Existing Conditions

Davenport Road, is characterized by the following conditions:

- It is a two-lane, east-west, roadway that is classified as a minor arterial roadway
- It operates two-way traffic on a pavement width of approximately 15 metres
- The daily two-way traffic volume is approximately 33,000 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited from 7:00 p.m. of one day to 7:00 a.m. of the next following day
- There is TTC service provided by 127 Davenport bus
- There are sidewalks provided on both sides of the street
- There are dedicated bike lanes on either side of the street

The parking regulations on Davenport Road in the vicinity of Dovercourt Road are as follows:

North Side

- No stopping 4:00 p.m. to 6:00 p.m., Monday to Friday
- Permit parking from 12:01 a.m. to 7:00 a.m., daily
- Maximum three-hour parking at all other times

South Side

- No stopping 7:00 a.m. to 9:00 a.m., Monday to Friday
- No parking 4:00 p.m. to 6:00 p.m., Monday to Friday
- Permit parking from 12:01 a.m. to 7:00 a.m., daily
- No stopping anytime between Dovercourt Road and a point 35 metres west
- Maximum three-hour parking at all other times

Dovercourt Road, is characterized by the following conditions:

- It is a three-lane, north-south, roadway that is classified as a minor arterial roadway
- It operates two-way traffic on a pavement width of approximately 12.9 metres
- The daily two-way traffic volume is approximately 4,200 vehicles
- The speed limit is 30 km/h
- Heavy trucks are prohibited from 7:00 p.m. of one day to 7:00 a.m. of the next following day
- There is TTC service provided 161 Rogers Road bus
- There are sidewalks provided on both sides of the street

The parking regulations on Dovercourt Road in the vicinity of Davenport Road are as follows:

East Side

- No parking anytime between Davenport Road and the first lane south
- Permit parking from 12:01 a.m. to 7:00 a.m., daily
- Maximum three-hour parking at all other times

West Side

- Permit parking, from 12:01 a.m. to 7:00 a.m., daily
- Maximum three-hour parking at all other times

A map of the area is included in Attachment 1.

Traffic Control Signals

Staff observations indicate that the traffic control signals at the intersection of Davenport Road and Dovercourt Road are in good condition and operating as programmed. The pavement markings as well as the posted signs are visible, appropriate and in good condition. Curbs are dropped and tactile walking surface indicators (TWSIs) are installed on all four corners of the intersection. In order to minimize overall delay and traffic congestion, traffic control signals along Davenport Road are coordinated. Signal coordination ensures that signal timing plans are responsive to the needs of all road users. This is achieved by developing timing plans for different times of the day e.g. morning and evening peak periods.

Collision Review

A review of the Toronto Police Service collision records, with specific emphasis for pedestrian, cyclist and vulnerable road users, collisions at the intersection of Davenport Road and Dovercourt Road was undertaken from May 1, 2020 to April 30, 2022 which revealed two collisions described below:

a) On October 15, 2020 a vehicle making a northbound right turn from Dovercourt Road to Davenport Road came into contact with a pedestrian crossing Dovercourt Road on the south side of the intersection. The vehicle making the northbound right turn had the right of way while it was reported that the pedestrian was crossing without the right of way. No personal injuries or property damage was reported.

b) On August 5, 2021 a cyclist travelling northbound on Dovercourt Road made an illegal left turn on a red traffic signal and came into contact with a vehicle travelling westbound on a green signal. No personal injuries or property damage were reported.

Road Safety Review

Traffic Operations' staff conducted a detailed safety review in the vicinity of the intersection of Davenport Road and Dovercourt Road. This review included all aspects of the intersection's operation. The results are summarized as follows:

A. Signage

The signage within the study area were generally found to be in good condition, appropriate and clearly visible to all road users.

B. Pavement markings

The pavement markings, within the study area were in good condition. These markings, when required, will be refreshed as part of Transportation Services' annual painting program.

C. Sight lines

Sightlines at the intersection of Davenport Road and Dovercourt Road were reviewed and there were no impediments identified for road users.

D. Sidewalks

Sidewalks on both sides of Davenport Road as well as Dovercourt Road were found to be in good condition.

E. Street lighting

Street lighting is the responsibility of Toronto Hydro. However, Transportation Services' review did note that there are street lights provided along Davenport Road as well as Dovercourt Road.

F. Parking Regulations

A review of the existing parking regulations revealed that they both effectively allow for safe and efficient traffic operations and serve the area residents.

G. Traffic Flow

Since the activation of the traffic control signals on September 14, 2020 at the subject location, our records indicate there has been one complaint regarding traffic delay.

Conclusion

Based on staff findings the traffic control signals at Davenport Road and Dovercourt Road provide a safe and controlled crossing for all road users, particularly vulnerable road users. Our records do not indicate that the installation of the traffic control signals have had a negative impact on the residents in the vicinity. However, it may be noted that when traffic control signals are installed on any street where on-street parking is permitted there is generally a loss of a few parking spaces.

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

CONTACT

Dan Clement, CET, Manager Traffic Operations (Area 1), Transportation Services, 416-397-5021, Dan.Clement@toronto.ca

SIGNATURE

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

ATTACHMENTS

Attachment 1: Map - Davenport Road and Dovercourt Road - Traffic Control Signals

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