



**STAFF REPORT
ACTION REQUIRED**

Traffic Control Signals – Islington Avenue and Deerfoot Road

Date:	May 18, 2016
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 4 – Etobicoke Centre
Reference Number:	p:\2016\Cluster B\TRA\Etobicoke York\eycc160088-to

SUMMARY

The purpose of this report is to provide the results of a Traffic Control Signal Warrant study at the intersection of Islington Avenue and Deerfoot Road, further to a request from the area Councillor. As the warrant requirements are not achieved, the installation of traffic control signals is not recommended at this time.

Since the Toronto Transit Commission (TTC) provides service on Islington Avenue, City Council approval of this report is required.

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council not approve the installation of traffic control signals at the intersection of Islington Avenue and Deerfoot Road as the Traffic Control Signal Warrant is not achieved.

Financial Impact

There is no financial impact associated with this report. However, the financial cost of installing these new traffic control signals would be approximately \$150,000.00 should the installation be approved.

ISSUE BACKGROUND

Further to a request from the Ward Councillor, on behalf of area residents, Transportation Services studied the intersection of Islington Avenue and Deerfoot Road to determine if traffic control signals are warranted at this location. Subsequently, we were requested to present the results of the Traffic Control Signal Warrant study to Etobicoke York Community Council. A map of the area is Attachment 1.

COMMENTS

Islington Avenue is a four lane, major arterial road with northbound and southbound bus bays located on Islington Avenue south of Deerfoot Road. The speed limit on Islington Avenue in the area is 60 km/h, while the speed limit on Deerfoot Road is 50 km/h. The "T" intersection of these roadways is controlled by a 'Stop' sign on Deerfoot Road.

The Toronto Transit Commission (TTC) operates transit service on Islington Avenue with bus stops at Deerfield Road. Traffic control signals exist approximately 225.0 metres to the south at Summitcrest Drive and approximately 380.0 metres to the north at The Westway.

The results of the eight hour turning movement count at the intersection of Islington Avenue and Deerfoot Road has indicated the technical requirements for the installation of traffic control signals were satisfied to the following extent:

Warrant		Compliance
Warrant 1	Minimum Vehicular Volume	4%
Warrant 2	Delay to Cross Traffic	10%
Warrant 3	Collision Hazard	7%

To satisfy the installation of traffic control signals, one of either the Minimum Vehicular Volume or Delay to Cross Traffic warrants must be 100 percent satisfied or both must be satisfied to the extent of 80 percent or greater. The Collision Hazard warrant is based on the number of collisions susceptible to correction by the installation of traffic control signals and must be 100 percent satisfied. In addition, during our eight hour study a total of 12 pedestrians were recorded crossing Islington Avenue at the intersection of Deerfoot Road.

A review of the collision history reveals that during the past three years for which we have complete data, January 1, 2013 to December 31, 2015, there has been one reported collision at the intersection of Islington Avenue and Deerfoot Road. This collision was classified as a fatal collision and involved a pedestrian crossing Islington Avenue near Deerfoot Road and being struck while standing in the middle of the road by a vehicle travelling northbound on Islington Avenue and subsequently by a southbound vehicle. In addition, we conducted a ten year collision review (January 1, 2006 to December 31, 2015) of pedestrian collisions on Islington Avenue from north of the signalized intersection of Summitcrest Drive to south of the signalized intersection at The Westway. This review did not note any additional collisions involving pedestrians crossing Islington Avenue.

Therefore, in view of the above study results, the installation of Traffic Control Signals is not justified at the intersection of Islington Avenue and Deerfoot Road.

CONTACT

Kevin Akins, Traffic Engineering - Etobicoke York District
Tel: (416) 394-6046; Fax: (416) 394-8942
E-mail: krakins@toronto.ca
AFS23248

SIGNATURE

Steven T. Kodama, P.Eng.
Director, Transportation Services - Etobicoke York District

ATTACHMENTS

Attachment No. 1: Map