



**STAFF REPORT
ACTION REQUIRED**

Traffic Control Signals – Kipling Avenue and Jutland Road

Date:	September 8, 2016
To:	Etobicoke York Community Council
From:	Director, Transportation Services - Etobicoke York District
Wards:	Ward 5 – Etobicoke-Lakeshore
Reference Number:	p:\2016\Cluster B\TRA\EtobicokeYork\eycc160143-to

SUMMARY

The purpose of this report is to obtain approval for the installation of traffic control signals at Kipling Avenue and Jutland Road.

The installation of traffic control signals is justified as the Traffic Control Signal Warrant requirements are achieved. The installation of traffic control signals will provide a safe and convenient access for vehicles and pedestrians crossing Kipling Avenue.

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

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council approve the installation of traffic control signals at Kipling Avenue and Jutland Road.

Financial Impact

The estimate cost for installing traffic control signals is approximately \$180,000.00. These funds are included in the Transportation Services 2016 capital budget.

ISSUE BACKGROUND

As a result of a request from a local resident through 311, Transportation Services staff investigated the need for traffic control signals at the intersection of Kipling Avenue and Jutland Road. A map of the area is Attachment 1.

COMMENTS

Kipling Avenue is an 18.3 metres wide five-lane roadway designated in the City's Road Classification System as a 'Major Arterial' road. The roadway has an urban cross-section (curb and gutter) with sidewalks on both sides of the street. The legal speed limit on this section of Kipling Avenue is 60 km/h. Jutland Road is a 10 metres wide two-lane 'Collector' roadway which runs east and west between Islington Avenue and Kipling Avenue. The speed limit on Jutland Road in the vicinity of Kipling Avenue is 50 km/h. The intersection of Kipling Avenue and Jutland Road is controlled by a "STOP" sign for westbound vehicles on Jutland Road. Traffic control signals are located on Kipling Avenue approximately 121 metres south of the intersection at North Queen Street and 600 metres north at Norseman Street.

To assess conditions, an eight-hour turning movement study was conducted at the intersection of Kipling Avenue and Jutland Road. In addition, we conducted a review of the collision history at the subject intersection for the past three years in which we have complete data. Our data was applied to the traffic control signal warrant. The study results are as follows:

Study Date: Wednesday, November 25, 2015

Study Hours: 7:30 to 9:30 a.m., 10:00 a.m. to 12:00 noon, 1:00 to 3:00 p.m., and 4:00 p.m. to 6:00 p.m.

a)	Minimum Vehicular Volume	73 percent
b)	Delay to Cross Traffic	100 percent
c)	Collision Hazard	40 percent

In order to meet the warrants, 100 percent compliance is required in one of the first two categories or a minimum of 80 percent in any two. Given that warrant b) is 100 percent met, traffic control signals are recommended for installation at the intersection of Kipling Avenue and Jutland Road.

A review of the Toronto Police Service collision records during the past three years for which we have complete data from January 1, 2013 to December 31, 2015, reveals there have been six reported collisions which would be considered preventable with the installation of traffic control signals.

The TTC have been advised of the proposed traffic control signals at Kipling Avenue and Jutland Road and have indicated they have no objections or concerns with the installation.

CONTACT

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SIGNATURE

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ATTACHMENTS

Attachment 1: Map