



**STAFF REPORT
ACTION REQUIRED**

**Traffic Control Signal Installation: Bathurst Street at
Caribou Road/Dell Park Avenue**

Date:	February 28, 2007
To:	North York Community Council
From:	Director, Transportation Services, North York District
Wards:	Wards 15, 16 – Eglinton Lawrence
Reference Number:	p:\2007\ClusterB\TRA\NorthYork\nycc07030tsny (AFS 4362)

SUMMARY

To obtain approval for the installation of traffic control signals at the intersection of Bathurst Street and Caribou Road/Dell Park Avenue.

Based upon the results of the traffic studies, the installation of traffic control signals at the intersection of Bathurst Street and Caribou Road/Dell Park Avenue is justified and will provide safe pedestrian crossing protection and safe egress of minor street traffic entering onto Bathurst Street.

RECOMMENDATIONS

Transportation Services, North York District recommends that:

1. traffic control signals be installed at Bathurst Street and Caribou Road/Dell Park Avenue; and
2. the appropriate City officials be authorized and directed to take whatever action is necessary to implement the foregoing, including the introduction in Council of any Bills that are required.

FINANCIAL IMPACT

All costs associated with the installation of traffic control signals at Bathurst Street and Caribou Road/Dell Park Avenue, estimated at \$140,000.00, will be included for consideration as part of Transportation Services 2007 Capital Works Program.

ISSUE BACKGROUND

Transportation Services Division, North York District, has reviewed a request from several residents of the community to install pedestrian crossing protection on Bathurst Street at Caribou Road/Dell Park Avenue.

COMMENTS

Bathurst Street is a four-lane major arterial road with a regulatory speed limit of 50 km/h and a daily two-way traffic flow of approximately 34,000 vehicles. Traffic control signals are located approximately 170 meters to the north at Lawrence Avenue West and 180 meters to the south at Shelborne Avenue. There is a mild vertical curve at Shelborne Avenue. Toronto Transit Commission bus stops (with no bus bays) are located on the northwest and southeast corners of the intersection. The surrounding area is comprised of a mix of commercial and high-density residential properties.

To determine the feasibility of installing a pedestrian crossover or traffic control signals, this Division conducted the appropriate studies to identify the existing traffic conditions and any difficulty pedestrians are experiencing when crossing Bathurst Street.

An eight-hour pedestrian delay study was undertaken on May 2, 2006. The technical warrants for the installation of a pedestrian crossover were satisfied to the following extent:

Warrant 1:	Pedestrian Volume	137%
Warrant 2:	Pedestrian Delay	142 %

In order to meet the technical requirements for the installation of a pedestrian crossover, both warrants must be satisfied 100 percent. In order for the pedestrian delay warrant to be considered, a minimum of 200 pedestrians must be observed crossing the roadway, of which 90 must be delayed for periods greater than 10 seconds. Our study revealed a total of 200 pedestrians crossed Bathurst Street in the vicinity of Caribou Road/Dell Park Road.

Accordingly, the installation of a pedestrian crossover is warranted. However, in order to ensure that the installation of a pedestrian crossover is the most suitable traffic control measure, the Transportation Services Division subjects the proposal to an Environmental Audit.

The Environmental Audit takes into consideration several factors, such as the geometry of the roadway, traffic flow, sight lines, and spacing of adjacent traffic control measures. The results of the audit indicated that five out of eight criteria failed at this location and that a pedestrian crossover is unsuitable.

Given that a pedestrian crossover is warranted but unsuitable, the installation of traffic control signals will provide the most appropriate pedestrian and vehicular traffic control measure at Bathurst Street and Caribou Road/Dell Park Avenue.

Councillors Howard Moscoe and Karen Stintz have been advised of the recommendations contained within this report.

CONTACT

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SIGNATURE

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Director

ATTACHMENTS

- Attachment 1: Map – Bathurst Street at Caribou Road/Dell Park Avenue; Traffic Control Signals (nycc07030tsny_att1_map)
- Attachment 2: Map – Bathurst Street at Caribou Road/Dell Park Avenue; Traffic Control Signal Plan (nycc07030tsny_att2_plan)