

## **Left Turn and Through Prohibitions: Bathurst Street and Charleswood Drive/Southbourne Avenue**

<b>Date:</b>	June 1, 2010
<b>To:</b>	North York Community Council
<b>From:</b>	Director, Transportation Services Division, North York District
<b>Wards:</b>	<b>Ward 10 - York Centre</b>
<b>Reference Number:</b>	<i>ny10082</i>

### **SUMMARY**

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As the Toronto Transit Commission operates a transit route on Bathurst Street, City Council approval of this report is required.

To obtain approval to prohibit eastbound and westbound left turns and through movements from 7:00 a.m. to 10:00 a.m. and from 3:00 p.m. to 6:00 p.m. on Charleswood Drive/Southbourne Avenue at Bathurst Street.

The proposed turning and through prohibitions at this location will address the right-of-way conflicts in the intersection during the peak volume periods.

### **RECOMMENDATIONS**

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Transportation Services Division, North York District, recommends that City Council:

1. Prohibit eastbound left turns and eastbound through movements from 7:00 a.m. to 10:00 a.m. and from 3:00 p.m. to 6:00 p.m. on Charleswood Drive at Bathurst Street; and
2. Prohibit westbound left turns and through movements from 7:00 a.m. to 10:00 a.m. and from 3:00 p.m. to 6:00 p.m. on Southbourne Avenue at Bathurst Street.

## **Financial Impact**

All costs associated with the installation of the turn restrictions and through restrictions are included within the Transportation Services Division's 2010 Operating Budget.

## **ISSUE BACKGROUND**

Transportation Services, North York District, was requested by Councillor Feldman on behalf of area residents to review the feasibility of installing either a traffic control signal or prohibiting eastbound and westbound left turns and through movements on Charleswood Drive/Southbourne Avenue at Bathurst Street in order to improve traffic operations at the intersection.

Residents have indicated that eastbound and westbound left turns exiting Charleswood Drive/Southbourne Avenue are particularly dangerous at this location due to restricted sight lines created by stopped vehicles on Bathurst Street.

## **COMMENTS**

This section of Bathurst Street is designated as a major arterial roadway with a regulatory speed of 60km/h and a daily two-way traffic flow of approximately 34, 000 vehicles. The cross section of the roadway at the subject intersection is comprised of five lanes; two northbound and three southbound of which, includes a southbound left turn lane. Charleswood Drive and Southbourne Avenue are both designated as local roads, where Southbourne Avenue has a regulatory speed limit of 40 km/h and Charleswood Drive has a regulatory speed limit of 50 km/h. Bathurst Street forms a skewed intersection with Charleswood Drive and Southbourne Avenue being offset by approximately 18 metres.

Numerous traffic studies have been undertaken at this intersection of Bathurst Street and Charleswood Drive/Southbourne Avenue over the years to determine the feasibility of installing a traffic control signal, most recently in 2008. In each case, the installation of a traffic control signal was not warranted.

The investigation has verified that during the peak traffic periods, southbound traffic on Bathurst Street consistently has a queue that begins at Wilson Avenue and continues to Delhi Avenue and in most instances blocks the intersection of Bathurst Street and Charleswood Drive/Southbourne Avenue. As such the sight lines for westbound and eastbound vehicles are restricted due to the stopped vehicles and lack of gaps. Eastbound and westbound left turn movements do not have enough decision and reaction time to safely proceed across two lanes of heavy traffic during peak traffic periods.

A review of the Toronto Police Services Collision Statistics for the period from January 1, 2006 until June 30, 2009 indicated that there were fourteen collisions involving either a westbound or eastbound vehicle, of which seven occurred during the a.m. and pm. peak traffic period.

This Division recommends prohibiting eastbound and westbound left turns and through movements from 7:00 a.m. to 10:00 a.m. and from 3:00 p.m. to 6:00 p.m. on Charleswood Drive/Southbourne Avenue at Bathurst Street to improve the traffic operations at the intersection.

Councillor Feldman has indicated his support for the recommendations contained within this report.

## **CONTACT**

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## **SIGNATURE**

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Myles Currie, B.A.  
Director

## **ATTACHMENTS**

Attachment 1: Location map – Bathurst St at Charleswood/Southbourne Av (*ny10082\_map*)