



**STAFF REPORT  
ACTION REQUIRED**

**Right-Turn-on-Red Prohibition: Keele Street at St. Regis Crescent**

<b>Date:</b>	May 14, 2014
<b>To:</b>	North York Community Council
<b>From:</b>	Director, Transportation Services, North York District
<b>Wards:</b>	<b>Ward 8 – York Centre</b>
<b>Reference Number:</b>	<i>p:/ClusterB/TRA/NorthYorkDistrict/ny14060</i>

**SUMMARY**

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As the Toronto Transit Commission (TTC) operates a transit service both on Keele Street and St. Regis Crescent, City Council approval of this report is required.

To obtain approval to amend the existing westbound right-turn-on-red prohibition at anytime to a westbound right-turn-on-red prohibition from 4:00 p.m. to 6:00 p.m., Monday to Friday, at the intersection of St. Regis Crescent and Keele Street.

The proposed amendment to the existing westbound right-turn-on-red prohibition will reduce the vehicle delay for westbound right turning traffic at this intersection, without unduly impacting the pedestrian traffic.

**RECOMMENDATIONS**

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Transportation Services, North York District recommends that:

1. City Council approve the removal of the westbound right turn on red prohibition at anytime at the intersection of St. Regis Crescent and Keele Street; and
2. City Council approve the installation of the westbound right-turn-on-red prohibition from 4:00 p.m. to 6:00 p.m., Monday to Friday, at the intersection of St. Regis Crescent and Keele Street.

## **Financial Impact**

All costs associated with the implementation of the westbound right-turn-on-red prohibition are included within the Transportation Services Division, North York District's 2014 Operating Budget.

## **ISSUE BACKGROUND**

The Transportation Services Division, North York District was requested by the Ward Councillor, on behalf of local residents, to review westbound right-turn-on-red prohibition at anytime at Keele Street and St. Regis Crescent.

## **COMMENTS**

Keele Street and St. Regis Crescent form a T-type intersection and are controlled by traffic control signals. Pedestrians crossing Keele Street at St. Regis Crescent are prohibited on the south leg, thereby all pedestrian crossings occur on the north leg of the intersection. Located on the west side of this intersection is a residential apartment complex (Northwood Apartments) which is designated as a senior's complex. The east side of Keele Street at the intersection is comprised of a commercial plaza and a medical centre.

Currently, westbound right-turns-on-red prohibition at anytime exists at the intersection of Keele Street and St. Regis Crescent. This restriction was implemented on December 17, 2002. At the same time, the pedestrian crossing area on the south side was removed/prohibited due to conflicts between the westbound left turning vehicles and pedestrians crossing on the south leg.

Observations by staff in 2002 confirmed that the high number of westbound left turns from St. Regis Crescent to southbound Keele Street often conflicted with pedestrians in the crosswalk. As pedestrians were often in the crosswalk for longer periods of time, due to their mobility and/or visual restrictions, it was deemed appropriate to remove the crossing. As such, given that the number of pedestrians crossing Keele Street and also St. Regis Crescent would increase, it was determined that the installation of a westbound right-turn-on-red prohibition would provide the appropriate level of control for both pedestrians and motorists at the intersection.

In view of the above, staff has conducted a review of the pedestrian crossing activity at the intersection of Keele Street and St. Regis Crescent during the A.M., Off and P.M., peak period hours.

The detail of pedestrian crossing activity is as follows:

	A.M Peak		Off Peak		P.M Peak	
	<b>7:00 to 8:00</b>	<b>8:00 to 9:00</b>	<b>10:00 to 11:00</b>	<b>11:00 to 12:00</b>	<b>4:00 to 5:00</b>	<b>5:00 to 6:00</b>
Junior and Middle school kids						
Assisted children (<13 years old)						5
Youth & Adults (=13, <65 years)	30	17	42	37	87	78
Senior citizen (=65 years old)		2	5	4	15	11
Disabled			1		2	1
<b>Total</b>	<b>30</b>	<b>19</b>	<b>48</b>	<b>41</b>	<b>104</b>	<b>95</b>

The result of the studies indicate that majority of the crossings occurred during the p.m. peak period. It should be noted that during this time period no conflicts were observed between motorists and pedestrian traffic.

Given the results of the study and in view of the current request by the Ward Councillor on behalf of the road users of this intersection, it would appear that amending the westbound right-turn-on-red prohibition at anytime at Keele Street and St. Regis Crescent would be appropriate. As such, Staff supports the removal of the existing prohibition and installation of a westbound right-turn-on-red prohibition from 4:00 p.m. to 6:00 p.m., Monday to Friday, at Keele Street and St. Regis Crescent.

This would facilitate improved vehicular traffic flow during the off peak periods and on weekends and still provide the added level of control during the p.m. peak period when the pedestrian traffic volumes are higher.

In addition to the above, we have requested the following pavement marking and signage modification to be undertaken in conjunction with the aforementioned changes to the right-turn-on-red prohibition:

- installation of zebra crossings on the north and east legs of the intersection; and
- installation of a "turning traffic must yield to pedestrians" warning signage for westbound right turning traffic.

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

## **CONTACT**

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## **SIGNATURE**

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Kyp Perikleous  
Director

## **ATTACHMENTS**

Attachment 1:           Map – Right-Turn-on-Red Prohibition: Keele Street at St. Regis Crescent