



**STAFF REPORT
ACTION REQUIRED**

**Right-Turn-On-Red Prohibitions – Dundas Street West
and Keele Street**

Date:	April 15, 2013
To:	Public Works and Infrastructure Committee
From:	General Manager, Transportation Services
Wards:	Parkdale-High Park, Wards 13 and 14
Reference Number:	P:\2013\Cluster B\TRA\Toronto and East York District\TOP\pw2013073te.top.doc

SUMMARY

Transportation Services is requesting authority from City Council to introduce right-turn-on-red prohibitions for eastbound, westbound and southbound traffic at Dundas Street West and Keele Street.

These prohibitions are recommended to improve the pedestrian crossing environment. Existing buildings on three of the four corners reduce sightlines for right-turning vehicles. As a result, these motorists encroach into the pedestrian crosswalks on a red signal to see oncoming vehicular traffic.

RECOMMENDATIONS

The General Manager, Transportation Services recommends that:

1. City Council prohibit eastbound right turns on Dundas Street West at Keele Street when traffic control signal shows red.
2. City Council prohibit westbound right turns on Dundas Street West at Keele Street when traffic control signal shows red.
3. City Council prohibit southbound right turns on Keele Street at Dundas Street West when traffic control signal shows red.

Financial Impact

Funds for the installation of signs in the estimated amount of \$600.00 are available within Transportation Services Division 2013 Operating Budget.

COMMENTS

Based on a request from Ward 14 Councillor, Transportation Services reviewed the operation of the intersection of Dundas Street West and Keele Street. Dundas Street West is a four-lane minor arterial roadway east of Keele Street and a major arterial roadway west of Keele Street with a speed limit of 50 km/h and a daily, two-way traffic flow of approximately 26,000 vehicles. TTC operates the 40-Junction bus route on Dundas Street West.

Keele Street is a four-lane major arterial roadway with a speed limit of 50 km/h and a daily, two-way traffic flow of approximately 31,000 vehicles. TTC operates the 41-Keele and the 89-Weston bus routes on Keele Street.

The intersection of Dundas Street West and Keele Street is controlled by traffic control signals. Left turns are prohibited from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, for westbound, northbound and southbound traffic at this intersection.

During the busiest eight hours of a typical weekday at this intersection, approximately 4,100 vehicles make a right turn. Over 74 per cent of these right turns are made from westbound Dundas Street West to Keele Street. At the same time, approximately 3,400 pedestrians cross the street, with the east side crosswalk the most heavily used.

Existing buildings at this intersection restrict sightlines for eastbound, westbound and southbound right-turning traffic. As a result, right-turning motorists on a red signal encroach into the pedestrian crosswalks to see oncoming vehicular traffic.

A review of the Toronto Police Service collision data did not reveal any collisions involving right-turning motorists and pedestrians over a three-year period ending December 31, 2012. However, our field observations confirmed that some right-turning motorists do encroach into the pedestrian crosswalks on a red signal, obstructing pedestrians that are attempting to cross the street.

The proposed right-turn-on-red prohibitions for eastbound, westbound and southbound traffic will improve the pedestrian crossing environment at this intersection. There may be some increase in delay to motorists making right turns, but the overall level of service at the intersection will not be impacted significantly.

We have advised the Councillors of Ward 13 and 14 about the proposed prohibitions of right turns on a red signal.

CONTACT

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SIGNATURE

Stephen M. Buckley
General Manager, Transportation Services

LIST OF ATTACHMENTS

(1) Drawing No. 421G-1002, dated March 2013

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