

Lane Designation – Kingston Road at St. Clair Avenue East

Date: December 10, 2018
To: Toronto City Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 20 – Scarborough Southwest

SUMMARY

This report recommends amending the by-law for the one-way traffic lane designation for the southbound right-turn lane on Kingston Road at St Clair Avenue East for right turns only to include a bus exemption for the new Toronto Transit Commission (TTC) buses that service the route at this intersection. The "Buses Excepted" signs will clearly define traffic lane usage, eliminate confusion, and reduce the potential for an incident as TTC vehicles continue to travel through in the southbound direction from the right-turn lane.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. City Council amend the existing westerly southbound right-turn only lane designation on Kingston Road, between St. Clair Avenue East and a point 30.5 metres north, to be in effect on Kingston Road, between St. Clair Avenue East and a point 75 metres north, buses excepted.

FINANCIAL IMPACT

The financial cost of installing the southbound right-turn only, buses excepted signs and markings is approximately \$1800.00. All costs associated with the necessary signage and markings installation are included within the Transportation Services 2019 Interim Operating Budget, within Cost Centres TP0397 and TP0398.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

As review of TTC request of operating and safety concerns for a new bus service route, staff studied the need to provide the appropriate lane designation and signage controls for the existing southbound right turn lane on Kingston Road approaching St Clair Avenue East.

Existing Conditions

- Kingston Road at St Clair Avenue East is a signalized intersection.
- Kingston Road is classified as a three lane major arterial road with a posted speed limit of 60 km/h.
- The land uses along Kingston Road in this area is composed of both residential and commercial on both sides of Kingston Road.
- The lane configuration for southbound motorists on Kingston Road at St Clair Avenue East consists of one exclusive left-turn lane, three dedicated through lanes and one right-turn lane.
- For the southbound approach, there were approximately 125 through buses during an eight-hour period, of these there were 16, 13 and 15 southbound through buses during the AM, Off-peak and PM peak periods respectively.
- The recorded daily traffic volume of Kingston Road is approximately 42,000 vehicles per day.
- The right-turn lane is approximately 75 metres long in the southbound approach.

Analysis

A recent traffic study revealed a total of 11,153 vehicles travelling in the southbound direction during an eight-hour period on Kingston Road and St Clair Avenue East, of these, 34% (3,763 vehicles) made a right turn maneuver to proceed in the westbound direction on St Clair Avenue East.

The existing pavement markings and lack of signs could result in southbound motorists proceeding potentially side-by-side through the intersection and merging into one lane on the far side of the intersection.

The adoption of the designation identified in this report will provide positive guidance to southbound motorists by clearly identifying lane direction and mitigate potential vehicular conflicts for southbound motorists. This will also provide a queue jump lane for southbound through TTC buses. Furthermore, the southbound right turn only lane designation at this intersection will allow for proper enforcement of the lane designation under the Highway Traffic Act.

CONTACT

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SIGNATURE

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ATTACHMENTS

1. Location Plan (Lane Designation - Kingston Road at St. Clair Avenue East)

LEGEND



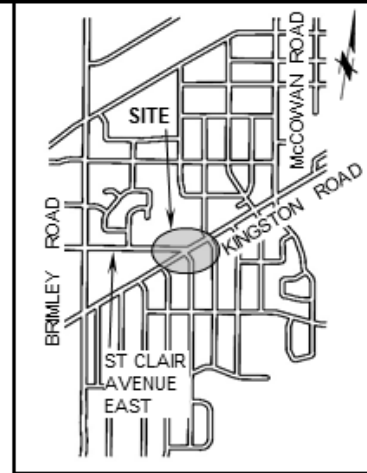
PROPOSED NEW BY-LAW RIGHT-TURN ONLY LANE
BUSES EXCEPTED SIGN LOCATIONS



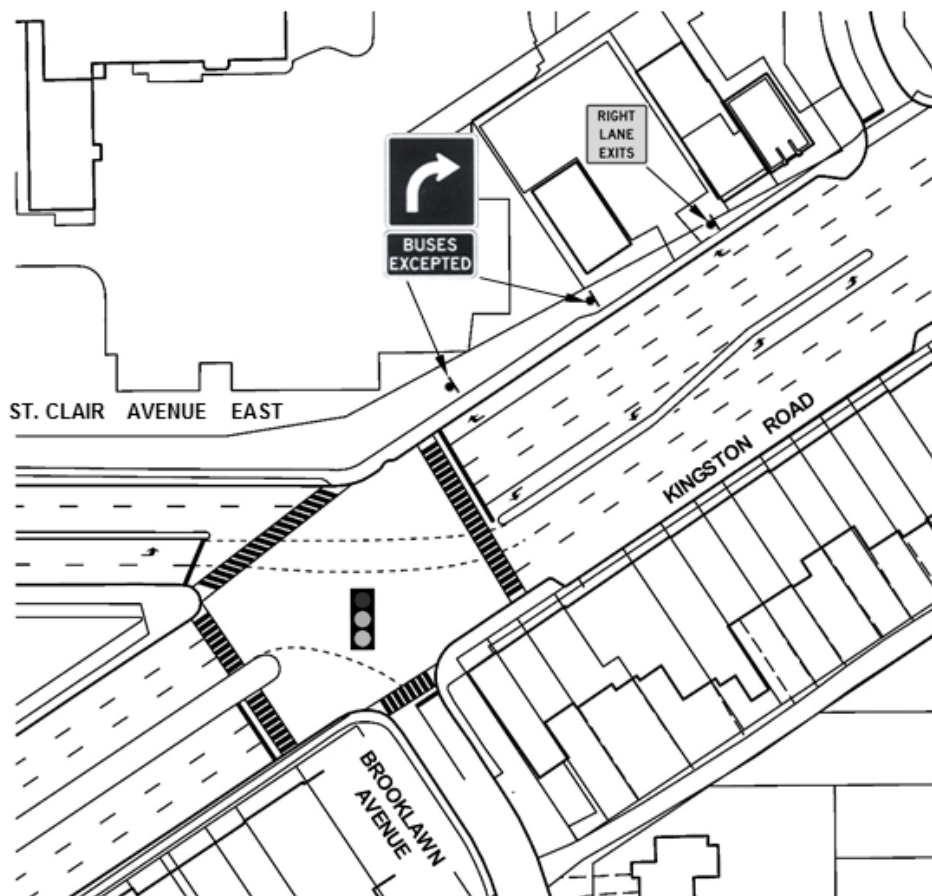
PROPOSED RIGHT LANE EXITS WARNING SIGN



EXISTING TRAFFIC CONTROL SIGNAL



KEY MAP



LOCATION MAP



TRANSPORTATION SERVICES

TRAFFIC OPERATIONS
Scarborough District

SCALE:	N.T.S.
DATE:	NOV., 2018
DRAFTING:	O.K.

**LANE DESIGNATION
KINGSTON ROAD AT ST. CLAIR AVENUE EAST**

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ATTACHMENT 1	WARD 20