

TRAFFIC SAFETY COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

SUBJECT: RIGHT TURN ONLY LANE - WILLINGDON AVE AT HALIFAX ST

RECOMMENDATION:

1. THAT Council approve the installation of a painted right turn only lane for southbound traffic on Willingdon Ave at Halifax St.

REPORT

The Traffic Safety Committee, at its meeting held on 2012 March 06, received and adopted the *attached* report reviewing a request for a right turn only lane for southbound traffic on Willingdon Ave and Halifax St.

Respectfully submitted,

Councillor S. Dhaliwal
Chair

Councillor A. Kang
Vice Chair

Councillor P. Calendino
Member

Copied to: City Manager Director Engineering

TO: CHAIR AND MEMBERS
TRAFFIC SAFETY COMMITTEE

DATE: 2012 February 23

FROM: DIRECTOR ENGINEERING

FILE: 38000 12
Ref: Road Markings

SUBJECT: RIGHT TURN ONLY LANE – WILLINGDON AVE AT HALIFAX ST

PURPOSE: To review a request for a right turn only lane for southbound traffic on Willingdon Ave at Halifax St.

RECOMMENDATION:

1. **THAT** the Committee recommend to Council the installation of a painted right turn only lane for southbound traffic on Willingdon Ave at Halifax St.

REPORT**BACKGROUND**

At the Traffic Safety Committee meeting on 2012 February 07, the Committee requested staff to investigate the feasibility of installing a painted right turn lane for southbound traffic on Willingdon Ave at Halifax St to accommodate the right turning movement at the intersection. This report is to respond to the Committee's request.

DISCUSSION

The intersection of Willingdon and Halifax is a signalized intersection with the roadway entrance to Brentwood Mall making up the east leg of the intersection (see Figure 1 below). Southbound traffic lanes along Willingdon just north of Halifax is comprised of a left turn lane, two through lanes, and a through and right turn curb lane. The southbound curb lane has 'No Stopping' restrictions for about 50 metres north of Halifax, and metered parking beyond that. South of Halifax, the southbound curb lane also has 'No Stopping' restrictions to accommodate a bus zone between Halifax and Buchanan.

Field observations confirm that some southbound vehicles are being delayed from turning right onto westbound Halifax due to the presence of southbound through vehicles within the curb lane. Additionally, when buses are stopped at the bus zone south of Halifax, many southbound through motorists along the curb lane would need to change to the middle through lane to bypass the stopped bus. A review of collisions between 2006 -2010 did not reveal any unusual patterns for

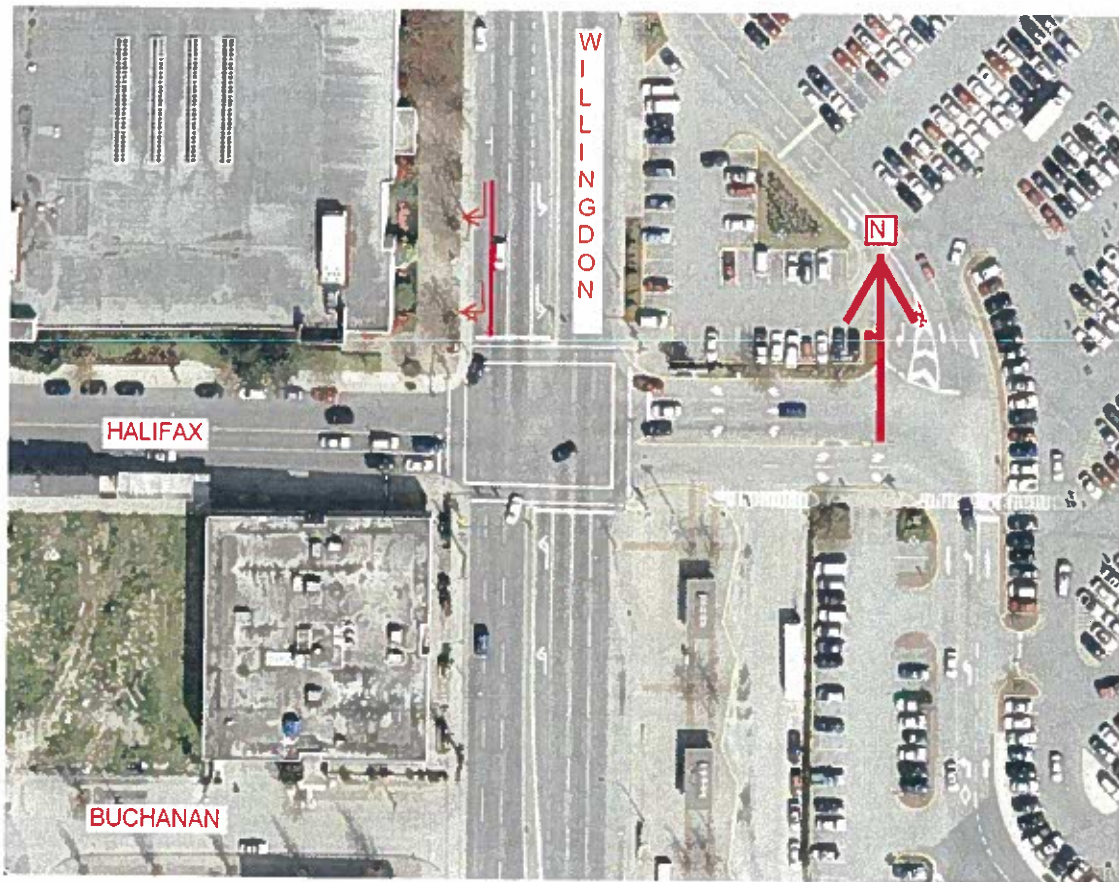
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this intersection with relatively high traffic volumes. The majority of incidents were related to rear end collisions.

The creation of a painted right turn only lane can be accommodated within the existing southbound curb lane along Willingdon north of Halifax without any road widening, signal modifications or changes to the existing parking regulations. The benefits of a right turn only lane include:

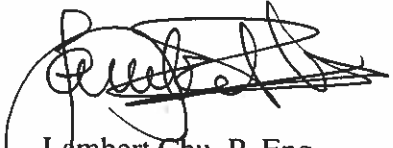
- enhanced safety by better channelizing traffic through the intersection
- reduced impedance for right turning vehicles from southbound Willingdon to westbound Halifax
- reduced lane changes from southbound through vehicles due to stopped buses within the bus zone on the far side of Halifax
- the provision of a short queue jumper for buses approaching the bus zone (buses will be exempt from the right turn only restriction).

Figure 1



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Given the benefits of a painted right turn lane and no significant negative implications, it is recommended that a painted right turn lane for southbound traffic be installed at the intersection of Willingdon and Halifax. The proposed right turn lane is shown in Figure 1. If approved, the installation will be scheduled when weather conditions improve. Funding for the work is available from the 2012 operating budget.



Lambert Chu, P. Eng.
DIRECTOR ENGINEERING

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Copied to: City Manager