

CITY OF BURNABY

TRAFFIC AND TRANSPORTATION COMMITTEE  
(TRAFFIC SAFETY DIVISION)

*HIS WORSHIP, THE MAYOR  
AND COUNCILLORS*

**B. HIGH COLLISION INTERSECTIONS**

RECOMMENDATIONS:

1. **THAT** Council request that the Ministry of Transportation & Highways install signs to restrict left turns on Kingsway at Royal Oak Avenue during the PM rush hour from 3:00 p.m. to 6:00 p.m. Monday to Friday.
2. **THAT** Council modify the left turn restriction on Royal Oak Avenue at Kingsway to be in effect from Monday to Friday only.
3. **THAT** Council authorize parking restrictions and lane markings to be installed at the intersection of Nelson Avenue and Imperial Street as described in this report.
4. **THAT** Council authorize installation of a median barrier on Willingdon Avenue south of Moscrop Street as described in this report.

REPORT

The Traffic and Transportation Committee (Traffic Safety Division), at its meeting held on 1996 September 03, adopted the *attached* report supporting corrective measures to increase safety at the Kingsway/Royal Oak Avenue, Nelson Avenue/Imperial Street and Willingdon Avenue/Moscrop Avenue/Deer Lake Parkway intersections.

MEMBERS:

Respectfully submitted,

Mr. N. Smith  
Mr. D. Berardine  
Mrs. M. Canessa  
Mr. E. Fourchalk  
Ms. L. Kapp  
Mrs. D. Mumford  
Mr. D. Ramsbotham  
Mr. D. Richardson  
Mr. A. MacDonald

: COPY - CITY MANAGER - DIRECTOR ENGINEERING - DIRECTOR FINANCE - OFFICER-IN-CHARGE, R.C.M.P.
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Councillor J. Young  
Chairman

Councillor D. Evans  
Member

City of Burnaby

**INTER-OFFICE COMMUNICATION**

**TO:** TRAFFIC SAFETY COMMITTEE **DATE:** 1996 08 07  
**FROM:** ASST. DIRECTOR ENGINEERING,  
TRAFFIC & ENGINEERING SYSTEMS **FILE:** 55-10-02  
**SUBJECT:** HIGH COLLISION INTERSECTIONS

**PURPOSE:** To seek the support of the Committee for some corrective measures recommended by the RCMP Collision Analysts to increase safety at high crash locations.

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**RECOMMENDATIONS:**

1. **THAT** the Committee request that the Ministry of Transportation & Highways install signs to restrict left turns on Kingsway at Royal Oak Avenue during the PM rush hour from 3:00pm to 6:00pm, Monday to Friday.
2. **THAT** the left turn restriction on Royal Oak Avenue at Kingsway be modified to be in effect from Monday to Friday only.
3. **THAT** parking restrictions and lane markings be installed at the intersection of Nelson Avenue and Imperial Street as described in this report.
4. **THAT** a median barrier be installed on Willingdon Avenue south of Moscrop Street as described in this report.

## REPORT

In conjunction with the High Collision Location signing program that has been initiated by the RCMP, reports have been prepared by the RCMP Collision Analysts for each of the signed locations recommending improvements that may help reduce crashes. Many of the changes involved minor adjustments to signs or pavement markings and were implemented during the summer pavement marking season. The more major changes, requiring significant modifications to intersection operations, have been outlined in this report for the Committee's consideration.

### **1. Kingsway @ Royal Oak Avenue**

The Collision Analyst's report recommended that the existing "No Left Turn 03:00 PM-06:00 PM for Royal Oak traffic be changed to add "Monday to Friday" to the signs. This restriction is generally not required on weekends as travel patterns differ significantly from weekday patterns. Engineering staff concur with this change.

Also included in the recommendations was the addition of left turn restriction for east and westbound traffic on Kingsway. Now that left turn channelization is in place at the intersection of Nelson Avenue and Kingsway, it may be appropriate to eliminate left turns at Royal Oak to improve traffic flow on Kingsway and reduce accidents. While the data suggests that there would be benefits to a ban on left turns through most of the day, from Monday to Saturday only a 3:00-6:00pm weekday restriction is recommended at this time pending further review. This restriction would be subject to the approval of the Ministry of Transportation & Highways. We note that the long term plan is to provide left turn bays on all legs of this intersection, however, some additional right-of-way is still to be acquired (through redevelopment).

### **2. Nelson Avenue @ Imperial Street**

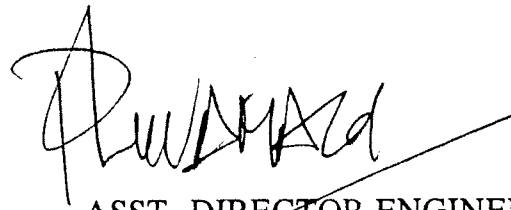
The RCMP have recommended the installation of "No Stopping Anytime" zones in place of the existing peak hour regulations. This will permit the marking of lanes on the approach and departure sides of the intersection to assist drivers in maneuvering around left turning vehicles, greatly reducing congestion and driver frustration. Staff concur with this recommendation although it will mean the removal of all parking within approximately 30m of the intersection. Staff will contact all affected businesses and residents prior to the implementation of this change. Upon removal of parking, additional lane markings will be installed to clearly indicate approach and departure lanes. Again, the long term plan is to provide left turn channelization at this intersection.

### 3. Willingdon @ Moscrop/Deer Lake Parkway

The RCMP have recommended the installation of a centre median on Willingdon south of Moscrop to prevent left turns in and out of the driveway to the small corner shopping mall on the southwest corner of the intersection. Numerous collisions have been attributed to this driveway. The proposed median will eliminate this problem.

The most cost effective means of installing a median at this location would be through the use of Jersey style barriers. Barriers would be installed in the centre of the existing painted median to provide sufficient side clearance for passing traffic. The business interests in the mini mall will be notified prior to installation of the median.

Funding for these improvements is available under the 1996 Operating Budget. Engineering staff will continue to work closely with the RCMP to assist in determining the effectiveness of the improvements.



ASST. DIRECTOR ENGINEERING,  
TRAFFIC & ENG. SYSTEMS

BB:

cc: City Manager  
RCMP