

CITY OF BURNABY

TRAFFIC AND TRANSPORTATION COMMITTEE
(TRAFFIC SAFETY DIVISION)

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

D. INTERSECTION OF DOMINION STREET AND BOUNDARY STREET

RECOMMENDATIONS:

1. **THAT** Council prohibit left turns at the Dominion Street and Boundary Road junction from 2:00 p.m. till 6:00 p.m., Monday to Friday.
2. **THAT** Council forward a copy of this report to Brian Gardner, 3110 Boundary Road, Burnaby, B.C. V5M 4A2.

REPORT

The Traffic and Transportation Committee (Traffic Safety Division), at its meeting held on 1997 October 07, adopted the attached report addressing safety concerns raised in correspondence from Brian Gardner.

MEMBERS:

Mr. D. Berardine
Mrs. M. Canessa
Ms. K. Friederici
Mr. E. Fourchalk
Ms. L. Kapp
Mrs. R. Oostlander
Mrs. D. Mumford
Mr. D. Richardson
Mr. A. MacDonald

Respectfully submitted,

Councillor J. Young
Chair

Councillor D. Evans
Vice Chair

Councillor N. Volkow
Member

: COPY - CITY MANAGER
- DIRECTOR ENGINEERING
- OFFICER-IN-CHARGE, R.C.M.P.

City of Burnaby

INTER-OFFICE COMMUNICATION

TO: TRAFFIC SAFETY COMMITTEE **DATE:** 1997 09 24
FROM: ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENGINEERING SYSTEMS **FILE:** 55-13-02
SUBJECT: INTERSECTION OF DOMINION STREET AND BOUNDARY ROAD
PURPOSE: To address safety concerns raised in correspondence from Brian Gardner.

RECOMMENDATIONS:

1. THAT left turns at the Dominion Street and Boundary Road junction be prohibited from 2:00pm till 6:00pm, Monday to Friday.
2. THAT a copy of this report be forwarded to Brian Gardner, 3110 Boundary Road.

REPORT

At its last meeting, the Traffic Safety Committee received correspondence expressing concern relative to safety at this junction. The issue was referred to staff for review and report.

In the Burnaby Transportation Plan, Boundary Road is classified as a primary arterial and consists of three northbound and three southbound lanes. Dominion Street is classified as a local road consisting of two parking lanes and two travel lanes, one in either direction.

Aside from through traffic along Boundary Road, vehicle trips are generated by a Chevron gas station located on the north east corner and several townhouse complexes along Dominion, Manor, and Norfolk streets.

Current traffic volumes on Boundary Road are approximately 20,000 vehicles per day in both the north and southbound directions. During peak hours, northbound traffic queues past Dominion from the Grandview Highway traffic signal, reducing crossing opportunities.

Sight lines for vehicles entering onto or crossing Boundary from Dominion are good, however, queuing of northbound traffic may restrict the view to the south and block movement altogether at times.

Compounding the problem for crossing vehicles is the lack of storage area in the median. With heavy traffic volumes on Boundary, left turning vehicles must negotiate one direction of flow at a time.

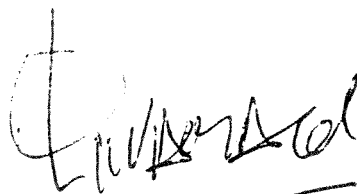
A review of accidents at this junction showed most occurred during an extended afternoon peak. A summary of the collision records for this intersection is listed below:

Year	96	95	94	93	92
Accidents	14	10	7	5	7

The data suggests an increasing safety concern.

We are recommending the prohibition of left turns from 2 pm till 6 pm on weekdays at the intersection. If accident problems persist escalating physical measures, such as a delta island on Dominion, may be required. This would result in a full time ban on left turns. The need for full closure of the Boundary Road median slot would be determined after the afternoon peak hour restriction's effect is reviewed with City of Vancouver staff. Closure of the median could be effected fairly rapidly with concrete barricades on the Vancouver side. Construction of the median closure to a final standard would require asphalt removal, curb work, and landscaping, hence the final implementation will require cost estimation and budgeting.

In summary, we recommend that left turns at Dominion and Boundary should be prohibited from 2:00pm until 6:00pm Monday to Friday to reduce the potential for accidents, especially the more severe right angle types. If this time limited prohibition proves ineffective, further measures that restrict left turns full time will be recommended. Restricting these movements will allow smoother operation along Boundary, a Primary arterial, and shift the dangerous crossing movement from Dominion to the Canada Way traffic signal. Access for the townhouse complexes along Manor, Dominion and Norfolk will only be minorly affected since a safer alternative route for southbound traffic is available via Smith Avenue and Canada Way. Staff will notify the immediately affected property users at the intersection and immediately west on Dominion.



ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENG. SYSTEMS

MDS/PL:jb

cc: City Manager

