

CITY OF BURNABY

TRAFFIC AND TRANSPORTATION COMMITTEE
(TRAFFIC SAFETY DIVISION)

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

RE: **EDMONDS STREET PARKING**

RECOMMENDATIONS:

1. **THAT** Council support changes to the current parking restrictions from 7779 to 7753 Edmonds Street to prohibit parking between the hours of 3:00 p.m. and 6:00 p.m.
2. **THAT** copies of this report be sent to businesses along Edmonds Street who would be directly effected by the proposed changes in parking restrictions.

REPORT

The Traffic and Transportation Committee (Traffic Safety Division), at its meeting held on 2000 May 02, received and adopted the attached report responding to concerns arising from PM peak hour traffic congestion on Edmonds Street (westbound) east of Canada Way.

Respectfully submitted,

Councillor D. Evans
Chair

Councillor B. Der
Vice Chair

Councillor G. Begin
Member

<p>: COPY - CITY MANAGER - DIR. PLNG. & BLDG. - DIRECTOR ENGINEERING</p>
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City of Burnaby

INTER-OFFICE COMMUNICATION

TO: TRAFFIC SAFETY COMMITTEE DATE: 2000 03 27

FROM: ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENGINEERING SYSTEMS FILE:

SUBJECT: Edmonds Street Parking

PURPOSE: To respond to concerns arising from PM peak hour traffic congestion on Edmonds Street (westbound) east of Canada Way.

RECOMMENDATION:

1. THAT the current parking restrictions from 7779 to 7753 Edmonds Street be changed to prohibit parking between the hours of 3:00 pm and 6:00 pm.
2. THAT copies of this report be sent to businesses along Edmonds Street who would be directly effected by the proposed changes in parking restrictions.

R E P O R T

1.0 INTRODUCTION

Resulting out of New Business during the 2000 March 07 meeting of the Traffic Safety Committee, staff were directed to review PM peak hour parking bans on the north side of Edmonds Street east of Canada Way. It was noted that vehicles wishing to turn right onto Canada Way (northbound) are being caught in the queued vehicles wishing to continue through the intersection during the PM peak. This delays both movements.

2.0 REVIEW

Parking within the designated right turn lane is prohibited 24 hours a day, however, the section of curbside parking leading to this turn lane, from civic address 7779 to 7753 Edmonds Street is only prohibited between the hours of 7:00 am to 9:00 am. Outside those hours, parking is limited to a two hour maximum from 9:00 am to 6:00 pm. These existing restrictions are indicated on the attached Diagram #1.

The vehicle demand on the westbound approach by time of day and day of week is illustrated in Diagram #2. The weekday PM peak experiences hourly volumes close to if not in excess of 1000 vehicles per hour. The data would further indicate that approximately 50% of vehicles are turning right onto Canada Way. The table below illustrates the turning movement distribution.

Time	Right Turn	Combined Thru and Left Turn
3:00 pm - 4:00 pm	488	490
4:00 pm - 5:00 pm	496	438
5:00 pm - 6:00 pm	535	436


While awaiting a green light, westbound traffic can queue past the start of the designated right turn lane. As there are no PM peak parking restrictions directly to the east of this right turn lane, the waiting through traffic blocks access to right turning traffic further downstream.

3.0 DISCUSSION

In order to realize the capacity potential of the intersection approach it would be desirable to split the traffic stream prior to the point where through traffic queues for the signal impeding vehicle access to the designated right turn lane. The obvious solution would be to install PM peak period parking restrictions. Applying the principles of intersection capacity, and considering the logistics of implementation, an afternoon parking ban similar to the current AM peak period ban would provide a resolution.

4.0 CONCLUSION

Therefore, based on current weekday PM peak period volumes, and present day intersection capacity, we recommend that the existing parking restrictions on the north side Edmonds Street between civic addresses 7753 and 7779 be changed to include parking prohibitions between 3:00 pm and 6:00 pm. The businesses along Edmonds Street directly affected by these proposed changes in parking restrictions have been notified of the proposal but it would be appropriate to forward this report to them as well.



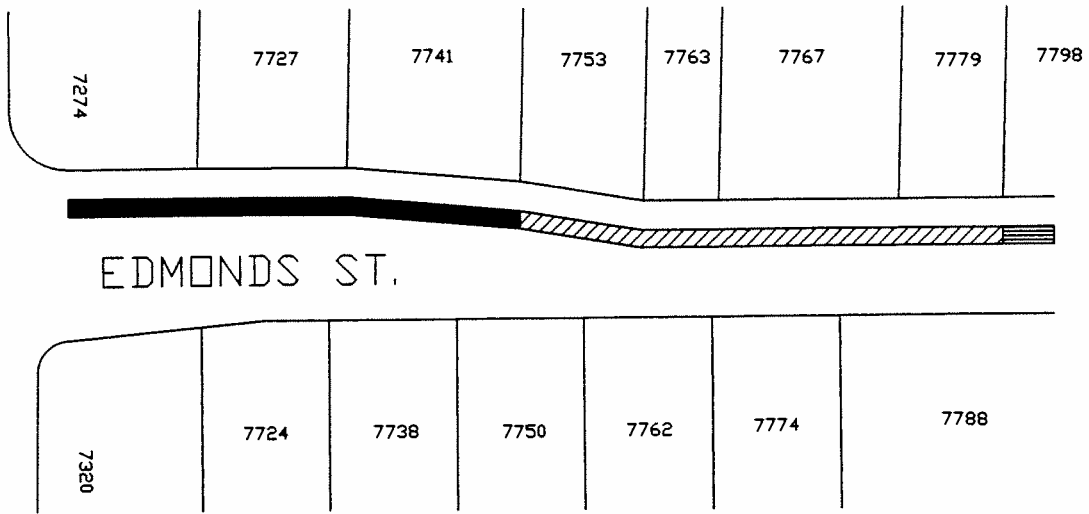
P. Lijvamagi, P. Eng.

ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENG. SYSTEMS

AE
Attach.

cc: City Manager

Canada Way



 No Parking
  No Stopping
  2 Hour Parking (9:00 am - 6:00 pm)
 No Stopping (7am - 9am)

110 C

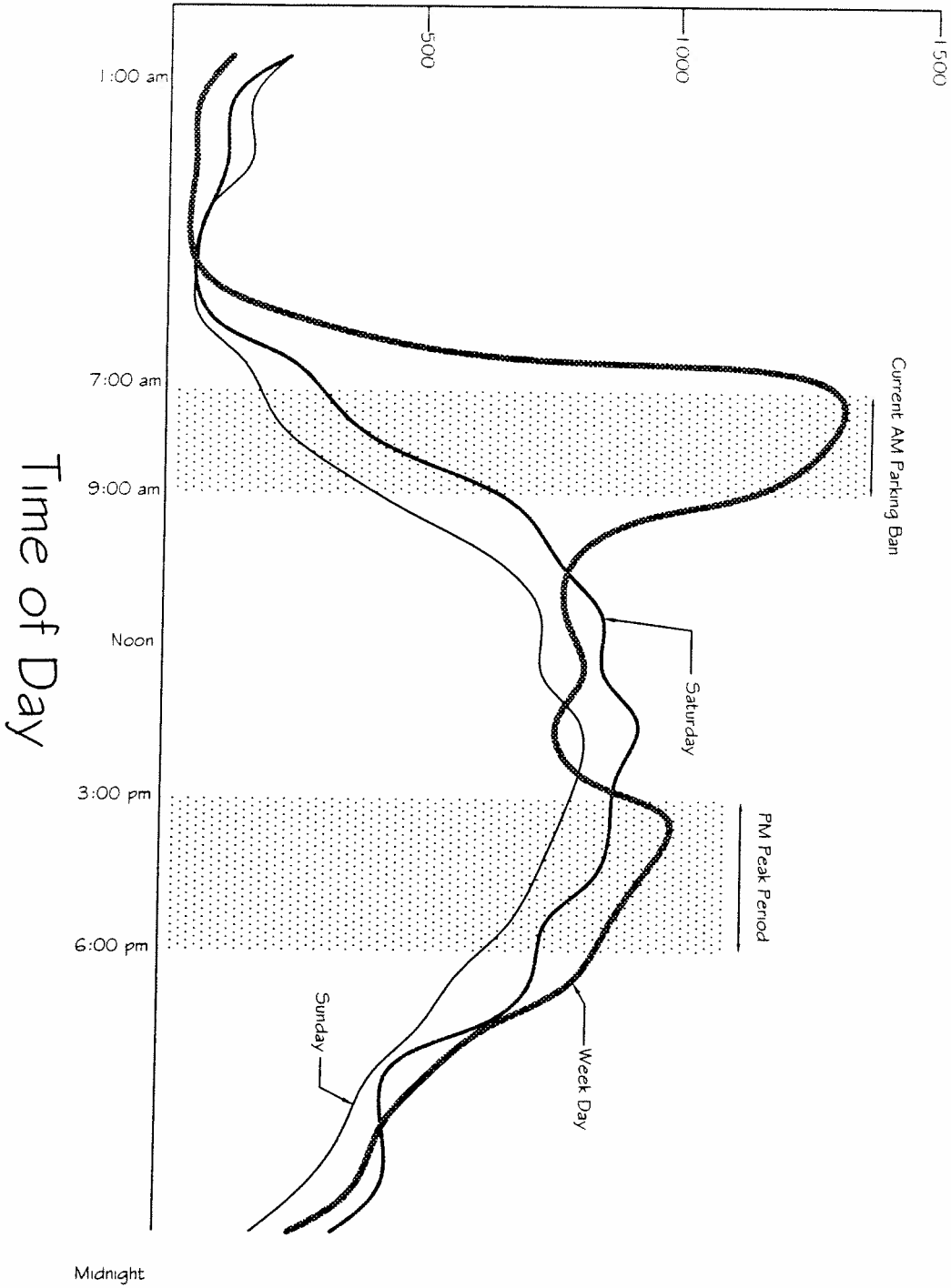


Diagram # 1
Existing Parking Restrictions

DRAWN BY: A.K.E	SCALE: N.T.S.
APPRV'D BY: P.L.	DATE: 00/03/22

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Vehicle Demand (V.p.H.)



110 C



Diagram # 2
Traffic volume
Between 7779 and 7753 Edmonds Street

DRAWN BY: A.K.E	SCALE: N.T.S.
APPRV'D BY: P.L.	DATE: 00/03/21

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