

ITEM
MANAGER'S REPORT NO. 8 35
COUNCIL MEETING 91/05/27

TO: MUNICIPAL MANAGER 1991 MAY 17
FROM: DIRECTOR ENGINEERING FILE: 50-06-25
SUBJECT: BOUNDARY ROAD IMPROVEMENTS - KINCAID STREET TO 22ND AVENUE (ELMWOOD STREET)

PURPOSE: To seek Council's approval for proposed left turn improvements on Boundary Road at Kincaid Street and 22nd Avenue including signal works.

RECOMMENDATIONS:

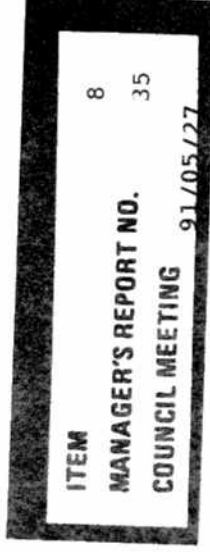
1. THAT Council approve the traffic management improvements along Boundary Road (Kincaid Street to 22nd Avenue/Elmwood Streets) as outlined in this report.
2. THAT Council approve the Municipality cost sharing in this project as outlined in this report.
3. THAT under Section 237(1) of the Municipal Act a bylaw be brought forward to enter into an agreement with the City of Vancouver for installation of a traffic signal at the intersection of Boundary Road and 22nd Avenue.
4. THAT a Capital Works Machinery and Equipment Reserve Fund Expenditure Bylaw in the amount of \$100,000 be brought down for Burnaby's share of the left turn improvements on Boundary Road at Kincaid Street and 22nd Avenue.
5. THAT copies of this report be sent to the Traffic and Transportation Committee (Traffic Safety Division) and the City of Vancouver.

REPORT

Introduction/Summary

In response to concerns raised by B.C. Transit and an accident history, the City of Vancouver has proposed left turn improvements along Boundary Road, between Kincaid Street and 22nd Avenue (Elmwood Street). The proposed design (Fig. 1) incorporates left turn channelization along Boundary, a signal at 22nd Avenue and movement restrictions at Elmwood Street on the Burnaby side (to block through traffic).

Cost of the improvements is estimated by the City to be \$270,000. With approved revenue sharing from the Province, Burnaby's share is estimated to be \$97,500. The 1991 Capital Budget identifies \$100,000 for this project, to be financed from Capital Reserves. Subject to Council approval, staff would proceed with drafting the necessary bylaw, concurrently with informing immediate area residents of the project.



Background

The King Edward "Cross-town" Bus route which terminates in Burnaby at Brentwood travels via 22nd Avenue, Boundary Road and Kincaid Street. This jog necessitates turning movements which are becoming increasingly difficult with increasing traffic, particularly at 22nd Avenue. Fig. 2 shows recent Boundary Road traffic volumes and the disproportionate growth in left turn accidents at 22nd Avenue.

The installation of a signal at 22nd Avenue would address traffic safety and B.C. Transit's concerns regarding delay. However a signal at this intersection would also tend to "direct" traffic on to Elmwood Street in Burnaby. To safeguard the local residential character of Elmwood Street while minimizing the impact on local access we have proposed restricting movements at the intersection to right turn in and out as shown on attached Fig. 1. We note however that this proposal has not been reviewed by Elmwood Street residents and we would propose to do so as a next step.

Costs and Benefits

The improvements proposed offer significant benefits including the following:

1. Minimization Of Delay To Transit

This is of importance to passengers but in this case is also critical to B.C. Transit which is running a very "tight" timetable.

2. Reduction in Accidents

We anticipate a reduction in road accidents at 22nd Avenue and Kincaid Street on Boundary Road as a result of the proposed improvements.

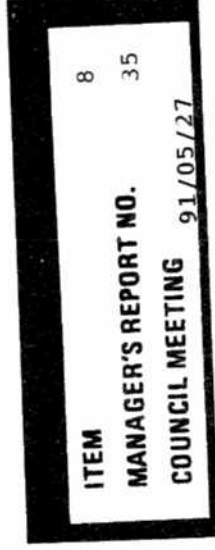
3. Pedestrian Safety

The introduction of a signal at 22nd Avenue will minimize delays and enhance safety for crossing pedestrians.

4. Reduced Congestion

By reducing vehicular delay there will be a reduction in operation costs and personal time costs for users.

The cost of the improvement is \$270,000, \$75,000 of which will be funded by the Province through revenue sharing. The remainder will be shared equally between Burnaby and Vancouver each of which will contribute an estimated \$97,500. The City of Vancouver, which has spearheaded the preliminary design would be administratively responsible for implementation.



Conclusion

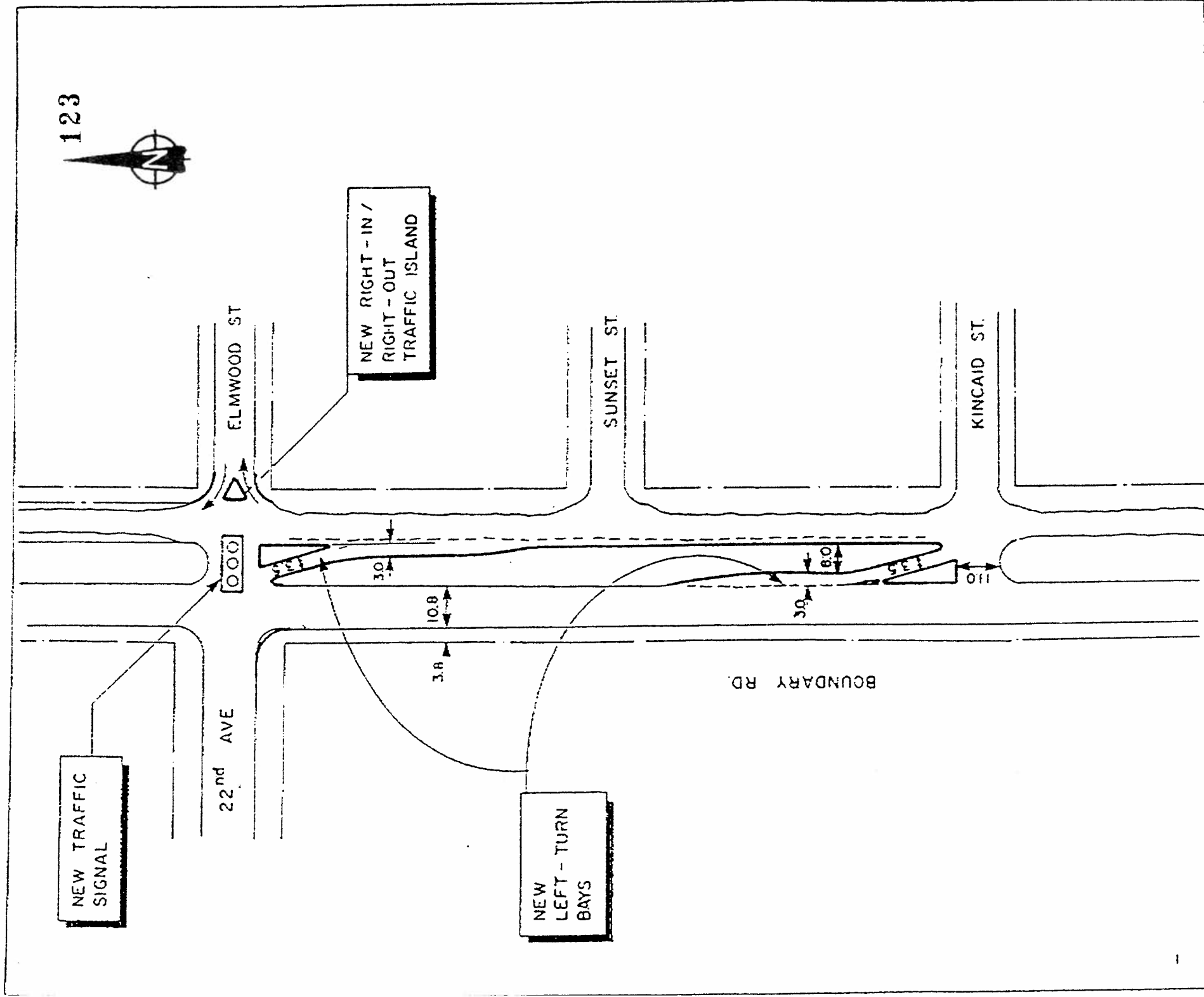
Subject to Burnaby's approval of this project and subsequent to consultation with the area residents it is the intent of the City of Vancouver staff to move ahead with this project in the current construction season having received recent confirmation of revenue sharing. As stated previously Burnaby's share is identified in the 1991-1995 Capital Budget under Major Roads.


DIRECTOR ENGINEERING

PL:lm
Attachments

cc: Director Planning & Building Inspection
Director Finance
Director Administrative & Community Services
Municipal Solicitor

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Date: MAY 9, 1991
 Scale: NTS
 Refer: YE326A

BOUNDARY RD / 22ND AVE. TO KINCAID
 PROPOSED STREET CHANGES
 City of Vancouver Engineering Department

1
 FIGURE

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FIGURE 2: BOUNDARY ROAD, 22ND TO KINCAID
 ACCIDENT AND TRAFFIC VOLUME HISTORY

