

CITY OF BURNABY

TRAFFIC AND TRANSPORTATION COMMITTEE  
(TRANSPORTATION AND TRANSIT DIVISION)

HIS WORSHIP, THE MAYOR  
AND COUNCILLORS

Re: Boundary Road/Vanness Avenue Intersection:  
City of Vancouver Proposal

RECOMMENDATION:

1. THAT Council approve the revised design for the reconstruction of Boundary Road at Vanness Avenue as outlined in this report as a basis for review by the City of Vancouver.

R E P O R T

The Traffic and Transportation Committee (Transportation and Transit Division), at its meeting held on 1994 December 14, adopted the attached staff report outlining a revised design for the reconstruction of Boundary Road at Vanness Avenue.

**Please note that a quorum was not present when the Committee adopted this report.**

Respectfully submitted,

Members:

Mr. Ernest Neumann  
Mr. Len Werden

Councillor D. Evans  
Chairman

Councillor J. Young  
Member

COPY - CITY MANAGER - DIRECTOR ENGINEERING - DIRECTOR PLANNING & BUILDING
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TO: CHAIR AND MEMBERS 1994-DECEMBER-07  
TRAFFIC AND TRANSPORTATION COMMITTEE

FROM: DIRECTOR PLANNING AND BUILDING OUR FILE: 08.640

SUBJECT: BOUNDARY ROAD/VANNESS AVENUE INTERSECTION:  
CITY OF VANCOUVER PROPOSAL

PURPOSE: To advise the Committee of a revised design for the reconstruction of Boundary Road at Vanness Avenue.

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**RECOMMENDATION:**

1. THAT the Traffic and Transportation Committee approve the revised design for the reconstruction of Boundary Road at Vanness Avenue as outlined in this report as a basis for review by the City of Vancouver.

**R E P O R T**

**1.0 BACKGROUND**

At its regular meeting of 1994 December 05 Council received correspondence from the City of Vancouver regarding improvements to the intersection of Boundary Road at Vanness Avenue. The correspondence outlined a revised proposal from the Vancouver Traffic Commission for the reconstruction of the Boundary/Vanness intersection and installation of a signal that would restrict eastbound to northbound left turns to buses only. The report from the Traffic Commission attached to the correspondence further requested that the project be budgeted for 1995 and that the Chair of the Commission make a presentation to the Traffic and Transportation Committee at its meeting of 1994 December 14.

Based on this proposal from the City of Vancouver this report presents a revised design concept for reconstruction of the intersection of Boundary Road at Vanness Avenue for the consideration of the Committee.

**2.0 DESIGN CONCEPT**

The revised design concept for reconstruction of Boundary Road at Vanness Avenue addresses the major issues identified by the Committee in previous discussion of this matter. The major components of the revised design concept are summarized in the following sections:

i) **Signalization**

Previous proposals for reconstruction of the intersection have been based on full signalization accommodating all traffic movements. In response, the Committee has noted its concern over the accommodation of left turns out from Vanness Avenue northbound on Boundary Road and the potential impact of this traffic on local streets on the Burnaby side.

The revised proposal from the City of Vancouver would require the installation of a signal that would restrict eastbound to northbound left turns to buses only. To avoid a potential enforcement problem from general traffic using the "bus only" left turn, the signal would be bus activated from the Vanness approach.

ii) **Boundary Road Reconstruction**

The revised design provides for the reconstruction of Boundary Road to a six lane standard from north of Vanness Avenue to south of Kingsway including removal and replacement of the existing BC Parkway overpass. This design would provide increased capacity for six travel lanes through the two intersections of Kingsway and Vanness Avenue based on a full arterial standard for Boundary Road to address the substantial traffic queuing problem during peak periods at the intersection of Boundary Road and Kingsway. Other positive elements of this reconstruction from Burnaby's perspective would be the following:

- the provision of a right turn lane from Boundary Road northbound to Kingsway eastbound. This has been a longstanding requirement in the Community Transportation Plan for the Maywood/Mayberry area to direct traffic away from this neighbourhood.
- the provision of a left turn lane from Boundary Road northbound to Vanness westbound to accommodate increased vehicular movements generated by the Collingwood Village development. Provision of this left turn lane is required from a traffic safety perspective to remove left turn queuing vehicles from the northbound through traffic stream.
- a left turn lane would also be provided from Boundary Road southbound to the BC Telephone driveway eastbound.

This reconstruction would not involve property acquisition but would require full use of the existing right-of-way adjacent to Central Park and the BC Telephone headquarters building. The section south of Kingsway has been designed to maintain the existing trees currently in the Boundary Road right-of-way adjacent to Central Park.

iii) **#28 Bus Route**

The provision of a bus only left turn from Vanness addresses the concerns of the City of Vancouver and BC Transit with regard to the provision of service on Vanness Avenue to serve Collingwood Village and the operational difficulties of the current circuitous routing of the #28 bus service.

iv) **BC Parkway Overpass**

The Committee has maintained that replacement of the BC Parkway overpass is required as part of the reconstruction of Boundary Road to a six lane standard. Replacement of the overpass recognizes the role of the facility in accommodating cyclists and pedestrians and the potential increased usage accruing from the Collingwood Village project. Pedestrians would also be accommodated at Boundary and Vanness by the traffic signal.

v) **BC Telephone Building Driveway**

The revised design provides for the relocation of the BC Telephone driveway to align with Vanness Avenue. As the reconstruction of Boundary Road would include a raised median, this realignment is required to maintain the provision for left turns in and out of this driveway. The left turn movement from the BC Telephone driveway southbound to Boundary Road would remain unprotected as it is currently and through movements to Vanness would be prohibited.

**3.0 FUNDING**

Based on Committee approval of the revised design concept staff will work with the City of Vancouver to define the total costs of the project and appropriate cost sharing. Responsibility for project costs would be divided amongst the City of Vancouver, the City of Burnaby, VLC Properties and the BC Telephone Company. A further report will be brought forward on this subject for the consideration of the Committee.

**4.0 CONCLUSION**

The revised proposal from the City of Vancouver addresses the major issues raised by the Traffic and Transportation Committee regarding the reconstruction of Boundary Road at Vanness Avenue and signalization of the intersection. Staff will table a geometric design for review by the Committee and transmittal to the City of Vancouver for comment. An approved design will then be costed as a basis for a further report to the Committee on cost sharing.

  
D.G. Stenson, Director  
PLANNING & BUILDING

RG/jp

- cc. Acting City Manager
- Director Engineering
- Director Finance
- Director Administrative & Community Services
- Director Recreational & Cultural Services