

10. Re: Transportation Study

Following is a report from the Director of Planning regarding the Transportation Study.

This is for the information of Council.

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PLANNING DEPARTMENT  
3 JANUARY, 1974  
File: #08.616

SUBJECT: TRANSPORTATION STUDY

The Planning Department feels it is appropriate to inform Council of the scope of the transportation study now being undertaken by the Planning Department with the assistance of the consultants N.D. Lea and Associates. This synopsis contains the outline of the report expected to be completed by late February or early March, 1974. Essentially, the study which was initiated by Council in November of 1972 and commenced in January 1973, has progressed steadily, while computer analysis is still continuing.

An earlier planning study - "Transportation Aspects of The Year 2000" was in fact an analysis to test the validity of the development concept expressed in the "Urban Structure" report, and did not provide the shorter-term guidance for a transportation policy. However, the basic analysis and transportation model developed for the earlier study provided a sound starting point to evaluate an intermediate design year, in this case selected to be 1985.

Development growth expected in Burnaby by 1985 has been based on a rational extension of existing and expected development patterns, rather than any radical departure from present development trends. The travel demands resulting from this growth pattern have been established and will be used as a basic criterion against which to measure the effectiveness of significant changes in the road pattern which have been considered. As well, the effects of providing various levels of public transit can be gauged against this known design year travel demand.

Essentially, the study falls into three principal sections:-

1. Introduction and Background

Earlier transportation - related studies.  
Reasons for undertaking a transportation study.  
Methodology adopted for this study.  
Involvement of transportation consultants.  
The study area and its selection.  
Transportation trends nationally and regionally.  
Burnaby transportation in its regional context.  
Transportation characteristics existing in Burnaby.  
Transit operations in Burnaby.

2. The Transportation Model

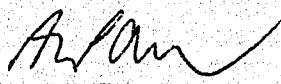
Liaison with 1970 planning study -  
"Transportation Aspects of The Year 2000".  
The study area traffic zones.  
Demographic data for the design year.  
Synthesised 1985 travel demands.  
Basic 1973 street network.  
Assignment of 1985 trips to 1973 network.

3. Analysis and Recommendations

Evaluation of traffic flow patterns resulting  
from assignments.  
Evaluation of assignments to alternative or modified  
networks, responsive to 1985 travel demands.  
Effect of varying levels of transit usage on volumes  
in traffic corridors.  
Identification of possible areas of traffic congestion.  
Overall review of future transportation patterns in  
Burnaby.  
Development of a transportation strategy.  
Planning implications of such a strategy.

As a result of this study and in the light of the predicted  
1985 travel demands, Council will be in a better position to  
evaluate longer-term transportation policies, current road  
proposals, and areas where immediate transportation improvements  
should be implemented.

Respectfully submitted,

  
A. L. Parr,  
DIRECTOR OF PLANNING

GDH:ea