

Item	2
Manager's Report No.	27
Council Meeting	97/10/27

TO: CITY MANAGER October 15, 1997

FROM: DIRECTOR PLANNING AND BUILDING

SUBJECT: **Burnaby Transportation Plan Major Roads Network
Closure of Douglas Road South of Lougheed Highway**

PURPOSE: To provide information to Council on the closure of Douglas Road at Lougheed Highway as defined in the Burnaby Transportation Plan and the Brentwood Town Centre Plan.

RECOMMENDATION:

- 1. **THAT** Council receive this report for information.

REPORT

1.0 BACKGROUND

At its regular meeting held on 1997 September 22, Council received a report from the Traffic and Transportation Committee regarding the adoption of a revised Burnaby Transportation Plan. Upon receiving the report, Council tabled the recommendations in the report pending receipt of a report from staff on the proposed closure of Douglas Road south of Lougheed Highway noted in the Burnaby Transportation Plan.

This report is written to advise Council of the rationale for the closure of Douglas Road south of Lougheed Highway as part of the Major Roads Network.

2.0 TRANSPORTATION PLANNING CONTEXT

2.1 Burnaby Transportation Plan

Until the early sixties and the development of the Burnaby freeway section of Highway #1, the Douglas Road-Canada Way Corridor constituted a major inter-regional route through the City of Burnaby to Vancouver. Over the past three decades, however, the function and continuity of Douglas Road has been downgraded, particularly the section north of Highway #1 which now functions as a local collector street serving the older industrial areas of the Central Valley and smaller office areas near Gilmore and Lougheed.

Recognizing its reduced function, the Burnaby Transportation Plan envisions the development of a network of major collector roads in the Central Valley area as it continues its transition to a more urban high-density residential sub-area of the Brentwood Town Centre. Reflecting the Major Road Network in the Transportation Plan, new north-south roads like the Douglas/Holdom Connector and the Westminster Connector would complement east-west roads like Dawson Street, and Still Creek Drive to complete a grid network serving the developing town centre.

2.2 Brentwood Town Centre Plan

The transportation network in the Brentwood Town Centre Plan reflects the Major Road Network in the Burnaby Transportation Plan. As shown in Figure 1, Dawson Street becomes a continuous major collector extending from Boundary Road to Holdom Avenue with north-south connections at Boundary, Gilmore, Madison, Willingdon, Beta, Delta (south) and Holdom. Replaced by these north-south roads, Douglas is closed at the Lougheed Highway, the traffic signal relocated to Beta Avenue and Delta Avenue made right-in right-out through a raised median on the Lougheed Highway. The closure of Douglas Road at the Lougheed Highway supports the development of the Brentwood Town Centre as follows:

- (i) it provides space within a constrained right-of-way for the development of a possible future LRT station in the intersection;
- (ii) it reduces the safety hazard at the intersection created by the oblique approach of Douglas Road to Lougheed and the steep grade on Delta Avenue north of Lougheed;
- (iii) it will reduce through traffic on Delta Avenue which is a local collector street through a single family residential area but maintain right-in/right-out access for residents of the area via Delta and Lougheed Highway to Brentwood Mall;
- (iv) it permits relocation of the traffic signal at Douglas/Lougheed to a more appropriate location at Beta/Lougheed to serve the town centre core area on the Brentwood Mall site.

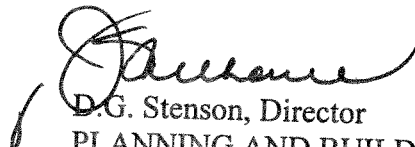
In summary, the closure of Douglas combined with the development of a grid network of major collector roads as outlined in the Transportation Plan would support the development of the Brentwood Town Centre area.

3.0 TIMING

The closure of Douglas Road south of Lougheed Highway would be implemented in conjunction with development of the town centre and the supporting transportation system including LRT. Until Dawson Street is continuous between Boundary Road and Holdom, the current configuration of the Lougheed/Douglas-Delta intersection would be maintained.

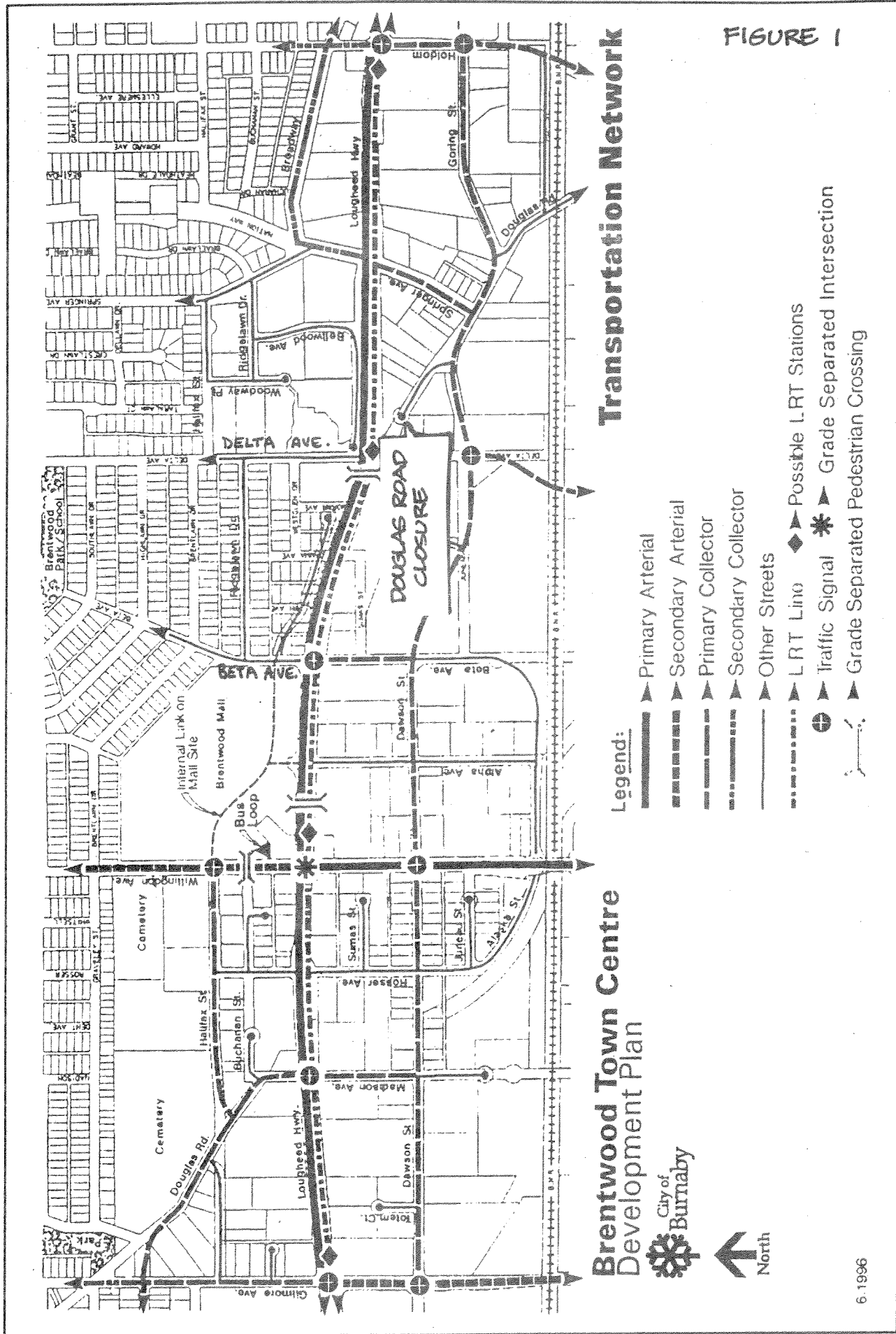
4.0 CONCLUSION

Douglas Road, a once continuous highway linking Burnaby to the east and west has been dramatically reduced in function over the years to a local collector street. Reflecting this trend, both the Burnaby Transportation Plan and the Brentwood Town Centre Plan envision the closure of Douglas Road at Lougheed Highway to accommodate an LRT station, enhance safety, and reduce through traffic on Delta Avenue north of Lougheed. The closure would be implemented as the Town Centre develops and supporting transportation infrastructure, including Dawson Street and LRT is provided.


D.G. Stenson, Director
PLANNING AND BUILDING

RG\ma

cc: Director Engineering



BRENTWOOD TOWN CENTRE PLAN Reference Date: 1996 June 04

FIGURE 1