

TO: CITY MANAGER

DATE: 1997 04 15

FROM: DIRECTOR ENGINEERING

FILE: 50-06-08

SUBJECT: ROYAL OAK AVENUE REALIGNMENT PROJECT

PURPOSE: To seek authority to retain N.D. Lea Consultants Ltd. for engineering services to complete the final phase of the Royal Oak Avenue Realignment project.

RECOMMENDATION:

1. THAT Council approve the retention of N.D. Lea Consultants Ltd. for engineering services to complete Phase IV of the Royal Oak Avenue Realignment project at an estimated cost of \$215,000.

REPORT

1.0 BACKGROUND

At its regular meeting of 1994 March 21, Council approved a multi-phased construction program for the Royal Oak Avenue Realignment project. This project extends from Oakland Street to Deer Lake Parkway and includes several distinctive components: pre-loading, bridge construction, and road construction. The construction program began with pre-loading in 1994 (Phase I) with further pre-loading and utility relocation and construction in 1995 (Phase II). The current construction activity is the construction of a three span, 110m long cast in place bridge structure and earth approach embankments. This is Phase III of the overall project and should be completed by the latter part of 1997. The final component (Phase IV), road construction, is currently scheduled to go to tender in late 1997 and will be constructed during 1998 which will allow a Fall opening of the roadway.

2.0 ENGINEERING SERVICES

This project has a significant component of engineering services primarily due to its:

- environmental sensitivity
- geotechnical requirements
- noise attenuation requirements
- landscaping requirements

The prime consultant, N.D. Lea Consultants Ltd., has assembled a team of sub-consultants for each of the above noted components. The team has been involved in this project on an ongoing basis since 1992. The consultant team's commission has been approved through to the completion of Phase III. It would be cost effective for the City of Burnaby to retain the same consultant team to complete the remaining engineering services required. The retention of N.D. Lea would provide continuity of service especially in the area of finalizing the roadway design and coordinating with the numerous outside utility companies.

We would recommend the retention of consultant services at this time for Phase IV because the construction cost benefits can be maximized by calling for tenders during the latter part of 1997 to ensure a very early construction start in 1998. It has been the City's experience that such timely tender calls provide the City with very competitive construction costs. Retention of N.D. Lea at this time will allow them the opportunity to finalize design details prior to tender. To date, N.D. Lea's performance has been completely satisfactory and continuation of their assignment on this project would obviate any learning curve for a new consultant. It is recommended that N.D. Lea Consultants Ltd. and their team of sub-consultants be retained for engineering services through the completion of Phase IV. The estimated cost of engineering services to completion of Phase IV construction is \$215,000. The rates submitted by N.D. Lea are consistent with the guidelines established by the Association of Professional Engineers and Geoscientists of B.C. and are competitive with other engineering fees for other similar type projects within the City. Funding for the engineering services is available within the currently approved bylaw funds and this project is included in the 1997-2001 Provisional Capital Program. The Purchasing Agent concurs with this recommendation.


DIRECTOR ENGINEERING

VNW:jb

cc: Director Finance
Director Planning & Building
Director Recreation & Cultural Services
City Solicitor
Deputy Manager, Corporate Services
Purchasing Agent