

Re: GRIFFITHS/19TH/20TH STREET - MAJOR ROAD PROJECT

MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Director Engineering be adopted.

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TO: MUNICIPAL MANAGER 1989 NOVEMBER 15  
FROM: DIRECTOR ENGINEERING  
SUBJECT: GRIFFITHS/19TH/20TH STREET - MAJOR ROAD PROJECT

PURPOSE: To obtain Council authority to retain a consultant for the design of the Griffiths/19th/20th Street major road project.

RECOMMENDATION:

1. THAT Associated Engineering (B.C.) Ltd. be retained, at an approximate cost of \$120,000, to provide engineering consulting services for the Griffiths/19th/20th Street major road project.

REPORT

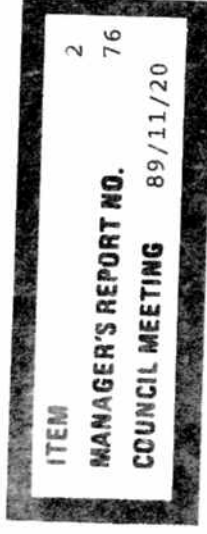
At its meeting on 1989 May 01, Council adopted a recommendation to bring forward a capital expenditure bylaw in the amount of \$2.764 million for design and property acquisitions on the Griffiths/19th/20th Street major road project (Bylaw No. 9194). That same report also identified a tentative schedule for starting construction in the summer of 1990.

In keeping with that schedule, engineering proposals were invited and have been received from four consulting engineering firms. All four firms are well established engineering firms having qualified engineers and technicians on staff. These companies are N.D. Lea & Associates Ltd., Associated Engineering (B.C.) Ltd., Reid Crowther & Partners Ltd., and Civic Consulting Group Ltd. The consultants were requested to provide details of their experience and expertise related to this type of work together with details on their intended method of undertaking the work. They were also asked to submit detailed resumes, a schedule of "per diem" rates, and an extensive description of how they would undertake the work including a description of how their particular personnel would be utilized.

PROPOSAL REVIEW

The proposals received were reviewed in depth and were assessed on the basis of several factors including the experience and expertise of the consultant's company and assigned staff, proven ability based upon the consultant's previous work history, references, project understanding, completeness of proposal, scheduling and total cost applications.

(Cont.)



Assessment of each of these factors on a scored-points basis provided a quantitative method for consultant evaluation. It should be noted that all four consultants are considered competent to undertake the work and that the quantitative rating represented an appraisal of the Corporation's particular needs in this specific engineering project.

CONSULTANT SELECTION

The evaluation rating method established Associated Engineering (B.C.) Ltd. as the leading candidate who would most closely meet the needs of the Corporation. Associated Engineering have extensive experience in highway design and project management in Burnaby as well as in the surrounding municipalities. Their staff demonstrated a complete understanding of the project and concern for the sensitive nature of this particular project. More specifically, Associated Engineering recently successfully completed a similar assignment for the Corporation on Boundary Road.

It is therefore recommended that the consulting firm of Associated Engineering (B.C.) Ltd. be retained to provide engineering consultant services for the design of the Griffiths/19th/20th Street major road project. The Purchasing Agent concurs with this recommendation.

The consultant and the Corporation will enter into an engineering agreement which includes the Corporation's terms of reference and the consultant's engineering proposal as integral parts.

PROFESSIONAL ENGINEERING FEES

The Corporation's preliminary construction estimates for this project are estimated to be \$2 million. Based upon our history of consulting engineering costs, staff anticipate the engineering cost for a project of this nature to be approximately 6% of the construction costs currently estimated at \$2.0 million. The engineering design budget for this project should therefore be established at \$120,000. Funds for this project are included in Bylaw No. 9194.

  
DIRECTOR ENGINEERING

VNW:je

cc: Director Finance  
Purchasing Agent  
Director Planning & Building Inspection