

ITEM 7  
MANAGER'S REPORT NO. 79  
COUNCIL MEETING Nov. 14/77

• Re: ENGINEERING SERVICES FOR THE STUDY OF ALTERNATIVES FOR ROYAL OAK AVENUE BETWEEN MOSCROP STREET AND FORGLEN DRIVE

Following is a report from the Municipal Engineer regarding proposals for the subject work.

RECOMMENDATION:

1. THAT the Corporation of Burnaby enter into an Engineering Agreement with Ker, Priestman and Associates Ltd. for the provision of engineering services for the study of alternative alignments for Royal Oak Avenue between Moscrop Street and Forglen Drive based on the terms of reference established in the Municipal Engineer's letter dated October 17, 1977 and the submitted proposal by Ker, Priestman and Associates Ltd. dated October 31, 1977.

\* \* \* \* \*

9 November, 1977

TO: MUNICIPAL MANAGER  
FROM: MUNICIPAL ENGINEER  
SUBJECT: ENGINEERING SERVICES FOR THE STUDY OF ALTERNATIVES FOR ROYAL OAK AVENUE BETWEEN MOSCROP STREET AND FORGLEN DRIVE.

As part of the considerations of the "Deer Lake Park Plan" we have invited proposals for engineering services from three reputable consulting firms by way of our letter dated 17 October, 1977 (copy attached). Each of the consultants, namely Ker, Priestman and Associates Ltd., Associated Engineering Services Ltd., and N.D. Lea and Associates Ltd., have responded with extensive proposals. A complete copy of each proposal is available for viewing in the Engineering Department.

Based on a careful evaluation of each proposal with emphasis on previous work history in Burnaby, the choice of personnel to be assigned to this project, their familiarity with our standards and procedures, and engineering fees, it is this Department's conclusion that the proposal submitted by Ker, Priestman and Associates Ltd. is the most comprehensive and outlines the best balance of expertise and experience for this project.

Fees for the requested engineering services will be in accordance with the Schedule of Fees as published by the Association of Professional Engineers of the Province of British Columbia and are estimated to range between \$11,500 and \$12,300 depending on the uncertainties in assessing the impact of the ground conditions and the extent of noise control engineering which is requested during the study period. This range in fees also excludes normally recognized disbursements.

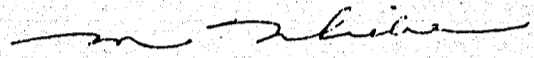
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RECOMMENDATION

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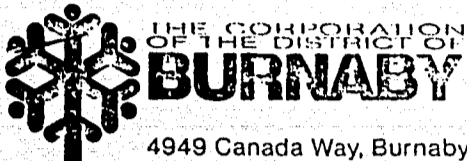
  
MUNICIPAL ENGINEER

VNW:cc

c.c. ( ) Director of Planning  
( ) Municipal Treasurer

Att.

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4949 Canada Way, Burnaby, B.C. V5G 1M2

Department of the Engineer

Telephone (604) 294-7460  
17 October, 1977.

Ker, Priestman & Associates Ltd.  
#275 - 4299 Canada Way  
Burnaby, B. C.  
V5G 1H3

Dear Sirs:

Re: Engineering Services for the study of  
alternatives for Royal Oak Avenue between  
Forglen Drive and Moscrop Street.

Our Municipal Council are currently considering a report entitled "Deer Lake Park Plan" which deals with land use in the general area surrounding Deer Lake and extending westward to approximately Willingdon Avenue. In conjunction with these land use considerations, they are also considering the type and location of major collector and arterial streets traversing through this area. One such roadway is Royal Oak Avenue between Moscrop and Forglen Drive.

Currently there appears to be a number of opinions as to which is the best alignment for Royal Oak Avenue and although a number of other considerations such as land use may play an important part in the decision of selecting the final alignment, we would hereby request you to submit a proposal assessing the Engineering considerations involved in comparing the two alignments shown on the enclosed plan. Our prime concern is to construct a major four-lane roadway facility recognizing as many as possible of the Roads and Transportation Association of Canada criteria for a road of this status and yet bearing in mind that this same roadway must lie within the constraints shown on the attached plan and fit as well as possible with the proposed adjacent land uses.

The study of these two alternatives should include a geotechnical study with recommendations as to its effect on structures, embankment fills and pavements and should also include a review of storm water runoff and any possible relocation of utilities and services. The review of these two alternatives should also consider minimizing the noise level as the ultimate alignment will traverse through a residential area. The review may also include a comparison of different types of construction. For example, the use of fills compared to the use of structures or the possible combination of the two.

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(cont'd)

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17 October, 1977.

N. D. Lea & Associates Ltd.  
1455 W. Georgia St.  
Vancouver, B. C.  
V6G 2T5 - cont'd ...

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Any background material which you feel may be of value in your assessment of these two alternatives, such as the Deer Lake Park Plan or utility drawings or road profiles, will be made available upon request of the undersigned.

As we are interested in completing this review by the end of the year, please submit your proposals before the end of October. If there are any questions regarding this project, please contact the undersigned.

Yours truly,

E. E. Olson, P. Eng.  
MUNICIPAL ENGINEER

by: V. N. Wiebe, P. Eng.  
DESIGN ENGINEER

VNW:cj  
Attach.

cc: (✓) Design Engineer