

Re: Engineering Services for a Preliminary Study of the
Douglas Road-Holdom Road Link
(Item 10, Report No. 23, April 1, 1975)

ITEM 13
MANAGER'S REPORT NO. 35
COUNCIL MEETING May 12/75

On April 1, 1975, Council adopted the following recommendation in connection with the proposed road link between Douglas Road and Holdom Avenue:

"THAT the Municipal Engineer be authorized to obtain proposals from at least 3 consulting engineers, to report on foundation conditions, preliminary bridge and road designs, and accompanying costs for the proposed road link, generally from Douglas Road in the vicinity of the 401 Highway to Holdom Avenue in the vicinity of Goring Street."

Following is a report from the Engineer on the proposals that have been received.

RECOMMENDATION:

1. THAT the Corporation enter into an engineering agreement with N.D. Lea & Associates Ltd. to carry out the engineering services as outlined in the attached terms of reference, with payment to be in accordance with "Outline of Services and Scale of Minimum Fees" of the Association of Professional Engineers of British Columbia dated September 5, 1973 (Scale I payroll plus 100%) and estimated to be \$15,500 plus disbursements.

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TO: MUNICIPAL MANAGER

MAY 8, 1975

FROM: MUNICIPAL ENGINEER

RE: ENGINEERING SERVICES FOR PRELIMINARY
STUDY OF DOUGLAS ROAD - HOLDOM AVENUE LINK

In response to Council's direction on April 1, 1975 we have prepared terms of reference and invited proposals to report on foundation conditions, preliminary bridge and road designs and estimated costs for the proposed road link.

Proposals based on these terms of reference, a copy of which is attached, have now been received from three consultants who are considered to be competent to undertake this type of work and we submit the following synopsis with comments:

(a) N. D. Lea & Associates Ltd.

Their proposal is in accordance with our prepared terms of reference and their fees are estimated to be \$15,500. including disbursements based on the approximate number of manhours and the salary cost plus 100% as per Scale I of the "Scale of Minimum Fees" as published by the Association of Professional Engineers of British Columbia.

(b) Associated Engineering Services Ltd.

Their proposal also is in accordance with our prepared terms of reference and their fee has been quoted so as not to exceed \$16,400. including disbursements. This is also based on Scale I of the "Scale of Minimum Fees" as published by the Association of Professional Engineers of British Columbia.

(c) Ker, Priestman & Associates Ltd.

Their proposal is in accordance with our terms of reference and their fee has been estimated to cost "in the neighbourhood of 1% of the total project cost" based on experience on similar projects. This would represent an estimated cost of \$47,000.

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Having carefully reviewed all the proposals we recommend acceptance of the proposal submitted by N. D. Lea & Associates Ltd., on the grounds that their total fees are estimated to be less than the other two proposals.

RECOMMENDATION:

THAT the Corporation enter into an engineering agreement with N. D. Lea & Associates Ltd. to carry out the engineering services as outlined in the attached terms of reference, payment to be in accordance with "Outline of Services and Scale of Minimum Fees" of the Association of Professional Engineers of British Columbia dated September 5, 1973 (Scale I payroll plus 100%) and estimated to be \$15,500. plus disbursements.

VNM:wlh

Att.

cc: () Planning Director
() Municipal Treasurer

for H. Kennedy
MUNICIPAL ENGINEER

Engineering Services of Consulting Engineer for Study
Douglas Road - Holdom Avenue Road Link
between Highway #401 and Lougheed Highway

All work shall be carried out in consultation with and in accordance with the requirements of the Corporation.

This assignment shall include preliminary investigation of the site survey; collection and interpretation of design data; preparation of preliminary plans, cost estimates and report on preliminary engineering studies satisfactory for submission to Municipal Council for approval of proposal, the report to contain a firm recommendation as to the best method of grade separation; and all requisite information and plans necessary for submission of a proposal for a grade separation structure at the Burlington Northern Railway tracks to the Board of Transport Commissioners for a Board Order and subsidy.

The Preliminary study shall include the following:

- (1) Review of turning movements and intersection treatment at the Norland and Goring intersections.
- (2) Location of road, structures and ramp connections as required. (See preliminary sketch attached)
- (3) Preliminary investigation of soil conditions in the area with recommendations on its effect on structures, embankment fills, pavements including treatment of peat areas where required.
- (4) Study of storm drainage and required work on Still Creek, including possible relocation.
- (5) Provisions for pedestrians and cyclists.
- (6) Negotiations with Government authorities and Utilities companies as required to secure approval of proposed works.
- (7) Relocation proposals as may be required for utilities and services.
- (8) Preliminary cost estimate.