

ITEM 24

MANAGER'S REPORT NO. 31

COUNCIL MEETING Apr. 24/73

24. Re: Proposed Loop Road, Community Plan Area "H"
Lougheed Highway and Eastlake Drive
Agreement for Engineering Consulting Services

In July 1970, Council adopted a Community Plan - Areas "G" and "H" in the Lougheed Highway/401 Freeway/North Road area as a guide for future residential development.

For information of Council, on January 17, 1973 the Planning Director advised the Municipal Engineer by memo that "present road construction and developer initiatives in the Community Plan Area "H" indicate that the proposed road system is nearing fruition. The Eastlake Drive southward extension will be a vital link for the eventual completion of the road system and this appears to be an opportune time to initiate a consultant's study." With the above-noted memo the Planning Director requested the Municipal Engineer to "carry out a study or retain a consultant to prepare a preliminary road alignment design and cost estimate for the Eastlake Drive Extension under the Lougheed Highway."

Attached is the report of the Municipal Engineer with respect to engaging engineering consulting services in the design of Eastlake Drive.

For further information of Council, the Chief Public Health Inspector has conducted a study of noise levels in the area, and proposes that ambient or background noise be given careful consideration prior to development of the Community Plan.

RECOMMENDATION:

THAT the Corporation enter into an Engineering Agreement with the firm of McElhanney Surveying and Engineering Limited, for the design of Eastlake Drive in accordance with the Terms of Reference attached to the Municipal Engineer's report, with the fee to be paid in accordance with "Outline of Services and Scale of Minimum Fees to be charged for General Engineering Projects" as published by the Association of Professional Engineers of British Columbia (May 1972) under Section 3, Scale I, (payroll cost plus 100%) with the fee estimated at \$16,000.00, excluding expenses as outlined in Section 5 of the above-named Scale of Minimum Fees for General Engineering Projects with the understanding that the estimated fee not be exceeded without prior authorization of the Corporation.

Report of the Municipal Engineer dated April 17, 1973
On Engineering Design Eastlake Drive from North of
Lougheed Highway to Government Road

As requested by the Planning Director, we have invited proposals from three engineering consulting firms to design for the extension of Eastlake Drive from north of Lougheed Highway to connect to Government Road near Horne Avenue in accordance with the attached sketch and Terms of Reference.

We have received proposals from three engineering firms to design Eastlake and the structure at Lougheed Highway and the connection of Horne Avenue from Government to Keswick as outlined in the Terms of Reference and as shown on the related sketch. All firms have proposed that payment would be in accordance with the "Scale of Minimum Fees" as published by the Association of Professional Engineers of British Columbia (May 1972) with disbursements recovered in accordance with Section 5 of the same booklet. The proposals are as follows:

(a) McElhanney Surveying and Engineering Ltd.

Estimated cost for labour for the survey, design, specification writing and quantity take-off, excluding disbursements \$16,000.00
This firm has confirmed that they would be prepared to make the commitment that the \$16,000. excluding the disbursements would not be exceeded without prior authorization of the Corporation.

(b) Associated Engineering Services Ltd.

The costs are estimated at \$19,500.00, plus disbursements, including \$1500.00 for soil investigation and this firm has confirmed that these costs would not be exceeded without the prior authorization of the Corporation.

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

The estimated cost of the work as outlined in the Terms of Reference is \$26,000.00, which includes \$2000.00 for soil surveys and this firm is prepared to treat this figure as the maximum fee.

We would recommend that the proposal received from McElhanney Surveying and Engineering Ltd. for the design of Eastlake Drive in accordance with the Terms of Reference set forth is the most favourable and would recommend that the Corporation enter into an Engineering Agreement with this firm for this design undertaking with the fee to be paid in accordance with "Outline of Services and Scale of Minimum Fees to be Charged for General Engineering Projects" as published by the Association of Professional Engineers of British Columbia (May 1972) under Section 3, Scale I, (payroll cost plus 100%) with the fee estimated at \$16,000.00, excluding expenses as outlined in Section 5 of the above named Scale of Minimum Fees for General Engineering Projects with the understanding that the estimated fee not be exceeded without prior authorization of the Corporation.


MUNICIPAL ENGINEER

VK:pm
Att.
c.c. () Planning Director

TERMS OF REFERENCE

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COUNCIL MEETING Apr. 24/73

Engineering Design of Eastlake from Present Terminus North of
Lougheed to Government Street and Horne Avenue/Government to Keswick Avenue

1. All field work, study, draughting and design necessary to prepare a complete design to Corporation standards for Eastlake and Horne as shown on the attached sketch.
2. The design of Eastlake will include the study and design for either a new structure or to widen the existing railway structure to pass Eastlake under the Lougheed Highway.
3. Eastlake to be 46' width and tapering to 36' width as shown on the sketch. Horne Avenue will be 36' wide.
4. Design will include storm sewers and culverts as required.
5. Grade of Eastlake will be such that will provide for the future possibility of connections to Lougheed.
6. Detail design and specifications required for the Lougheed structure.
7. Determine complete R.O.W. requirements and prepare sketches.
8. Pavement and base design required, including soil report if considered necessary.
9. Take off quantities in detail for preparation of "Schedule of Quantities and Prices" for future tender call for roadwork, drainage and the structure at Lougheed Highway.
10. The design of the Lougheed structure will include structural specifications.
11. An engineering agreement will be entered into covering this work.
12. This engineering undertaking to be completed by 30 June, 1973.