

ITEM 11
MANAGER'S REPORT NO. 51
COUNCIL MEETING July 18/77

Re: ENGINEERING SERVICES FOR THE DESIGN AND SUPERVISION
OF WATERMAIN INSTALLATION ON BROADWAY AND UNDERHILL

Following is a report from the Municipal Engineer dated July 12, 1977 concerning the supply of engineering services in consulting on the subject project.

RECOMMENDATION:

1. THAT Web Engineering Limited be retained to provide engineering services as outlined in the Municipal Engineer's letter dated June 28, 1977, and as detailed in Web Engineering Limited's proposal dated July 7, 1977.

* * * * *

12 July, 1977.

TO: MUNICIPAL MANAGER
FROM: MUNICIPAL ENGINEER
SUBJECT: ENGINEERING SERVICES FOR THE DESIGN AND SUPERVISION
OF WATERMAIN INSTALLATION ON BROADWAY AND UNDERHILL.

As an ongoing review of our water supply and distribution systems, the Greater Vancouver Water Board has recommended a number of new installations which will improve water supply and distribution to various parts of Burnaby. These improvements will be programmed over the next few years.

In order to accomplish some of these works this year we invited proposals for engineering services as per the Municipal Engineer's letter dated June 28, 1977, copy attached, from the following three firms:

1. Web Engineering Limited
2. Kerr, Wood, Leidal Associates Limited
3. Dayton & Knight Limited

All three firms responded and indicated that they would be prepared to do the work and that remuneration would be in accordance with the latest edition of the schedule of fees as published by the Association of Professional Engineers of B. C.

More specifically the details of each proposal are summarized as follows:

Web Engineering Limited

The estimated fee for field survey, design, drafting, quantity take-off, cost estimating and tender document preparation would be \$3,990.00. The estimated fee for construction layout, control and general inspection and supervision of construction would be \$3,500.00 per month. (Project is estimated to take approximately six weeks to complete).

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Web Engineering Limited - continued

All fees exclude recognized disbursements.

Kerr, Wood, & Leidal Associates Limited.

The estimated fees for all facets of the design to the point of awarding a construction contract, range between \$4,000.00 and \$5,000.00. An additional estimated fee of \$5,400.00 to \$7,000.00 for survey layout and control during construction plus resident inspection and supervision. The latter is based on approximately 25 to 30 working days. Again all fees exclude recognized disbursements.

Dayton & Knight Limited.

Estimated fees for all facets of the design including preparation of contract documents are not to exceed \$7,000.00. They have not stated any fees for the inspection and supervision portion of the project. All fees, again, exclude recognized disbursements.

RECOMMENDATION:

1. THAT Web Engineering Limited be retained to provide engineering services as outlined in the Municipal Engineer's letter dated June 28, 1977, and as detailed in Web Engineering Limited's proposal dated July 7, 1977.

E.E. Owen
MUNICIPAL ENGINEER

VNW:cj
Attach.

Please attach to Item 15 Manager's Report No. 51, July 77

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TO: Kerr, Wood & Leidal Assoc. Ltd.
Web Engineering Ltd.
Dayton & Knight Ltd.

28 June, 1977.

Dear Sirs:

Re: Engineering Services for the Design and
Supervision of Watermain Installation on
Broadway and Underhill.

As part of our 1977 Design Program for watermain construction, I hereby invite you to submit a proposal to provide the requisite Engineering Services for the design, contract preparation, layout and supervision of watermain installations on Broadway, between Underhill and Lake City Way and on Underhill between Broadway and Eastlake Drive.

Both of these watermains are part of our overall water supply system and have been sized as follows:
Broadway between Underhill and Lake City Way is a 12 inch, and
Underhill between Broadway and Eastlake Drive is a 20 inch.

More specifically, the project would include all field survey for establishing location and grades, the design of the mains including connections and fire hydrants, the preparation of a schedule of quantities, specifications and contract documents, the preparation of a cost estimate, all survey layout and control, and general resident onsite inspection and supervision.

All works shall be to the Corporation of Burnaby's current standard. Information regarding existing as built, benchmarks, and survey control plans will be made available by contacting the undersigned. I would also advise that this work will be done under an Engineering Agreement as per sample Agreement attached. The Consultant will be responsible for programming his work load such that construction tendering could commence as early as August 15, 1977. Please advise if this date is realistic.

We would appreciate receiving a proposal on or before July 8, 1977.

(continued)

28 June, 1977.

TO: Kerr, Wood & Leidal Assoc. Ltd.
Web Engineering Ltd.
Dayton & Knight Ltd.

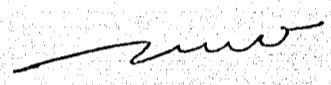
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Your proposal should indicate the manner of payment for the various facets of work and include a resume of the key personnel you intend using for the layout and supervision portion.

Yours truly,

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



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

VW:cj
Attach.

cc: () Design Engineer
() Operations & Construction
Engineer

