

ITEM 12

MANAGER'S REPORT NO. 7

COUNCIL MEETING Feb. 3/75

Re: Inspection Services for Watermains in Big Bend Area (Phase I)
(Item 14, Report 71, September 24, 1973)

The following is the report of the Municipal Engineer dated January 27, 1975, regarding the above.

RECOMMENDATION:

1. THAT the services of Dayton and Knight Ltd. be retained for resident inspection and general supervision of the Big Bend Watermains (Phase I) installation in accordance with the proposal stipulated in Dayton and Knight's letter, dated January 22, 1975.

* * * * *

27 January, 1975

TO: MUNICIPAL MANAGER

FROM: MUNICIPAL ENGINEER

SUBJECT: INSPECTION SERVICES FOR WATER MAIN IN BIG BEND AREA (PHASE I)

On 24 September, 1973, Council authorized the retention of Dayton and Knight Ltd. for the performance of engineering design services related to watermains in the Big Bend Area. As part of their agreement Dayton and Knight prepared contract documents which were tendered in December 1973. However, due to uncertainty regarding price and delivery date on steel pipe and fittings no tender bid was accepted. Council subsequently authorized the separate purchase of the pipe and fittings. These materials are now all purchased and substantially in stock. Dayton and Knight are now in the process of amending the contract documents prior to recall of tenders for the installation only of the watermains.

Implementation of the recommendations of the Contracts Investigating Committee adopted by Council at their meeting on 11 February, 1974, and the subsequent reorganization of the Contracts Division approved by Council at their meeting of 11 March, 1974 (Manager's Report No. 19, Item 9), necessitates retaining the services of a Consulting Engineer to undertake construction inspection. To this end Dayton and Knight have submitted a proposal for provision of inspectional services (See Attachment "A"). Because the design and contract preparation has been undertaken by Dayton and Knight, it is felt that this firm would be in the best position to supervise the implementation of their own work. The Outline of Services and Scale of Minimum Fees as published by the Association of Professional Engineers of B.C. allows for a higher rate of remuneration on full time resident engineering services where the design services have been completed by others. For these reasons, plus the fact that Dayton and Knight are certainly qualified for this work, we would recommend that this firm be retained for inspectional services of the Big Bend Watermains (Phase I).

Dayton and Knight's proposal states that remuneration would be on the basis as laid out in the Outline of Services and Scale of Minimum Fees booklet.

RECOMMENDATION:

THAT the services of Dayton and Knight Ltd. be retained for resident inspection and general supervision of the Big Bend Watermains (Phase I) installation in accordance with the proposal stipulated in Dayton and Knight's letter dated 22 January, 1975.

E.E. Olson
MUNICIPAL ENGINEER

WCS:cmg

Atch.

c.c. () Contracts Engineer

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DAYTON & KNIGHT LTD. Consulting Engineers
 1885 MARINE DRIVE, BOX 91247, WEST VANCOUVER, B.C. V7V 3N9 PHONE 922-3255

"A"

R. GORDON KNIGHT, P. ENG.
 MARTIN J. J. DAYTON, P. ENG.
 EDWARD BERZINS, P. ENG.
 KENLEY R. KERR, P. ENG.

JAN 22 1975

REF: MCR
 W.C.S.

January 22, 1975

ACTION 1

The District of Burnaby,
 Municipal Hall,
 4949 Canada Way,
 Burnaby, B.C.

Attention: Mr. Mackenzie Ross, P.Eng.
 Assistant Municipal Engineer

Dear Mr. Ross:

Re: Resident Inspection and General Supervision
 for Big Bend Watermains, Contract No. 18.

We are pleased to submit the following for Resident
 Inspection and General Supervision for Big Bend Watermains,
 Contract No. 18.

Our services would include:

1. Field layout of work and renewal of line and grades as required.
2. Resident inspection and supervision.
3. Preparation of daily reports, monthly summaries, and progress payments.
4. General supervision by project engineer involving normally one or two trips per week from office to job site, plus other office work involving revisions, meetings and negotiations with Contractor.
5. Supply of "As Constructed" information to Burnaby for drafting by Burnaby.

Duration of the construction period is expected to be three months, and the following fees are based upon this period which covers time before construction to lay out the project and familiarization, the actual construction period, and an overlap particularly at the end when generally small items are left to do.

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Mr. Mackenzie Ross, P.Eng.
The District of Burnaby

January 22, 1975

Fees involved are as follows:

1. Monthly rate not to exceed \$7,500 per month.
2. If you wish a top price, it would then total \$22,500 based upon the three months.
3. In view of the uncertainties of the construction field, we would ask that the monthly rate remain in effect beyond the top limit in the event that strikes or other delays unknown at this time cause the time limit to exceed the three months.
4. Invoices would be submitted monthly on the basis of Scale 1, Payroll Cost Plus Percentage. Resident staff would be charged at payroll plus 85% plus disbursements, while other staff would be payroll plus 100% plus disbursements.

If the above outline is suitable, we would be pleased to discuss the scheduling of the work more fully with you at your convenience. You may remember that during the last tender call, the work was to be completed by May 31st allowing 60 working days. It appears now that the completion date will have to be extended allowing for revision of design, tendering period and construction.

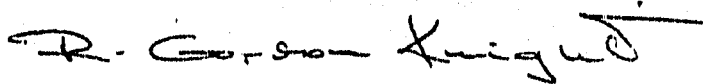
As discussed the other day, we would appreciate receiving your list of materials to be supplied by Burnaby plus their location at your earliest convenience.

It appears that tenders should be called by the end of February, 1975, at the very latest.

Please let us know if the above is satisfactory, and we would be pleased to discuss the matter more fully with you at your convenience.

Yours very truly,

DAYTON & KNIGHT LTD.



R. Gordon Knight, P.Eng.

RGK/mef