

ITEM	28
MANAGER'S REPORT NO.	57
COUNCIL MEETING	Aug. 29/77

Re: ENGINEERING SERVICES FOR 1978
LOCAL IMPROVEMENT PROGRAM

Following is a report from the Municipal Engineer dated 25 August 1977 concerning engineering services for design of proposed 1978 local improvement projects. The FINAL 1978 L.I.P. will be presented to Council in a supplementary report for the meeting of August 29, 1977 but was unavailable at the time the regular agenda was prepared.

The proposals from the three engineering firms mentioned in the following report are attached for Council's information.

RECOMMENDATIONS:

1. THAT Robert F. Binnie Ltd. be retained to provide engineering services as outlined in the Municipal Engineer's letter dated 29 July, 1977, and the Consultant's letter dated 19 August, 1977, for Project "B" of the 1978 Local Improvement Program with fees not to exceed \$19,779, excluding Disbursements; and
2. THAT Vector Engineering Services Ltd. be retained to provide engineering services as outlined in the Municipal Engineer's letter dated 29 July, 1977, and the Consultant's letter dated 19 August, 1977, for Projects "A" and "C" of the 1978 Local Improvement Program, with fees not to exceed \$9,800, excluding Disbursements for Project "A" and \$7,900, excluding Disbursements for Project "C"; and
3. THAT suitable Engineering Agreements be entered into with the aforementioned two firms.

* * * * *

TO: MUNICIPAL MANAGER 25 August, 1977

FROM: MUNICIPAL ENGINEER

SUBJECT: ENGINEERING SERVICES FOR
1978 LOCAL IMPROVEMENT PROGRAM

Council will recall that policies for Local Improvement Street Works were recently amended to include the provision that petitions for work would be accepted for construction in the year following, provided that valid petitions were received no later than 30 June in the year preceding the year of proposed construction.

Since we have really no control over the particular streets for which petitions are received, there may or may not be a design available "on the shelf". For the vast majority of this year's petitioned works, as was the case last year, designs are not available, with the result that arrangements must be made immediately for such design work to proceed if we are to be ready for construction tendering in early 1978.

In accordance with the foregoing, proposals were invited from three engineering consultants who were considered to be the most qualified and suitable ones for the performance of the required services. These firms are:

1. Hunter, Laird Engineering Ltd.
2. R.F. Binnie Ltd.
3. Vector Engineering Services Ltd.

The required services were broken down geographically into three projects, i.e. "A", "B" and "C", in order to maximize the possibility of getting more than one firm involved in the program concurrently.

Copies of the Request for Proposals and the Schedule of Works requiring design are attached. The total 1978 L.I.P. schedule is being submitted to Council for approval as a supplementary item in this Manager's report.

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(cont'd)

After reviewing and assessing the proposals, we have concluded that for Projects "A" and "C", Vector Engineering Services Ltd. has submitted the most attractive proposals with a maximum fee of \$9,800, exclusive of Disbursements for Project "A", and a maximum fee of \$7,900, exclusive of Disbursements for Project "C".

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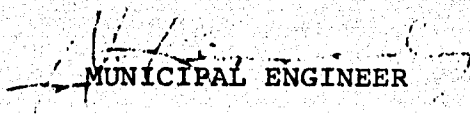
For Project "B", Robert F. Binnie Ltd. has submitted the most attractive proposal, with a maximum fee of \$19,779, exclusive of Disbursements.

All three firms are currently working for the Corporation on other projects.

Funds are provided in the 1977 budget for this Engineering work.

RECOMMENDATIONS:

1. THAT Robert F. Binnie Ltd. be retained to provide engineering services as outlined in the Municipal Engineer's letter dated 29 July, 1977, and the Consultant's letter dated 19 August, 1977, for Project "B" of the 1978 Local Improvement Program with fees not to exceed \$19,779, excluding Disbursements.
2. THAT Vector Engineering Services Ltd. be retained to provide engineering services as outlined in the Municipal Engineer's letter dated 29 July, 1977, and the Consultant's letter dated 19 August, 1977, for Projects "A" and "C" of the 1978 Local Improvement Program, with fees not to exceed \$9,800, excluding Disbursements for Project "A" and \$7,900, excluding Disbursements for Project "C".
3. THAT suitable Engineering Agreements be entered into with the aforementioned two firms.


MUNICIPAL ENGINEER

VNW:cmg

Attch.

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MANAGER'S REPORT NO. 57
COUNCIL MEETING Aug. 29/77



THE CORPORATION
OF THE DISTRICT OF
BURNABY

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

Department of the Engineer

Telephone (604) 294-7460
29 July, 1977.

Vector Engineering Services Ltd.
3375 Norland Avenue
Burnaby, B. C.
V5B 3A9

Dear Sirs:

Re: Engineering Services for 1978
Local Improvement Program.

Our 1978 L. I. P. has now been finalized and has
been divided into three projects as indicated by the attached
lists.

We hereby invite you to submit proposals for your
engineering services for the field survey, drafting and
design of the projects listed. Please submit separate pro-
posals for each project.

Please note that some of the works in Project
"C" may require special treatment because of their location
in a "poor ground" area. Also note that the pavement widths
and type of improvement are subject to confirmation by the
Design Engineer prior to commencement of design. All work
shall be performed in accordance with our current design
standards and as detailed on the attached specification sheets.

Due to the size and nature of the program it is
critical that the Corporation is ready to go to tender by
March, 1978 at the very latest. Therefore in order to allow
sufficient time to assemble contract documents the absolute
deadline for approved drawings must be February 1, 1978.
Please acknowledge this when submitting your proposal.

Please submit your proposal by not later than
August 19, 1977.

* FINALIZED FOR PURPOSE OF
PROPOSAL INVITATION.

Yours truly,

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

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

VNW:cj
Attachments
cc: () Design Engineer

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PROPOSED 1978 LOCAL IMPROVEMENT PROGRAM

PROJECT A

<u>Design #</u>	<u>Street</u>	<u>Width</u>	<u>Improvement</u>
770030	Strathearn - Portland to Carson	28'	Curbs B/S
770031	McKee - Edson to Strathearn	28'	Curbs B/S
730032	Carson - Strathearn to E.P.L. Lot 7, Block 33, D.L. 157 (S/S)	28'	Curbs B/S
680082-1	Rumble - Royal Oak to Roslyn - Roslyn to McPherson tapering to 36'	46'	Curbs B/S, Sep. Walk S/S
770033	Thurston - Smith to Proposed cul-de-sac at Boundary	28'	Curbs B/S
770034	Burke - Boundary to Inman	36'	Curbs B/S
770035	Brandon - Smith to Patterson	28'	Curbs B/S, Smith to Inman; sep. walk N/S Smith to existing; curbs B/S Inman to Patterson.
770036	Bond - Elsom to Sussex	28'	Curbs B/S
770037	MacDonald - Fir to Kincaid	28'	Curbs B/S
770038	Kincaid - MacDonald to dead-end east	28'	Curbs S/S, Curbs N/S

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PROPOSED 1978 LOCAL IMPROVEMENT PROGRAM

PROJECT B

<u>Design #</u>	<u>Street</u>	<u>Width</u>	<u>Improvement</u>
770039	Rugby - Canada Way to cul-de-sac east	28'	Curbs B/S
770040	Humphries - Edmonds to 16th Avenue	36'	Curbs B/S
770041	18th Street - 10th Ave. to 14th Ave.	46'	Curbs B/S
770042	Martin - Noel to Pritchard	28'	Curbs B/S
	Pritchard - Martin to Casewell	28'	Curbs B/S
770043	Grove - Hastings to Frances	42' taper to 36'	5.5' abutting walk W/S 5.5' abutting walk E/S lane S. of Hastings to Frances
	- Frances to Curtis	28'	Curbs B/S
770044	Fairlawn - Midlawn to L/S Brentlawn	28'	Curbs B/S Midlawn - Brentlawn; Curb only B/S, Brentlawn to Lane S.
770045	MacDonald - William to Kitchener	28'	Curbs W/S and Curbs E/S
770046	Ingleton - Oxford to Cambridge	N/A	4' sep. walk W/S only
770047	Manor - Westminster to Douglas	28'	Curbs B/S
770048	Dominion - Westminster to Douglas	28'	Curbs B/S
770049	Norfolk - Westminster to Douglas	28'	Curbs B/S
770050	Laurel - Royal Oak to Douglas	28'	Curbs B/S
770051	Hardwick - Royal Oak to Douglas	36'	Curbs B/S
770052	Westminster- Canada Way to Manor	36'	Curbs B/S, 4' sep. walk E/S from lane N. of Canada Way to Manor
770053	Royal Oak - Laurel to Manor	28'	Curbs B/S

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PROPOSED 1978 LOCAL IMPROVEMENT PROGRAM

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PROJECT C

<u>Design #</u>	<u>Street</u>	<u>Width</u>	<u>Improvement</u>
770054	Still Creek- Gilmore to projection of Smith	46'	Curbs B/S
770055	Madison - Lougheed Hwy. to cul-de-sac south of Dawson	46'	Curbs B/S
770056	Rosser - Lougheed Hwy. to Juneau	46'	Curbs B/S 5.5' abutting walks B/S
770057	Juneau - Rosser to Willingdon	46'	Curbs B/S
770058	Goring - Douglas to Holdom	46'	Curbs B/S
770059	Springer - Lougheed to Douglas	46'	Curbs B/S 5.5' abutting walk E/S
770060	Beta - Dawson to Juneau	46'	Curbs B/S

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Vector engineering services ltd.

3375 NORLAND AVENUE - BURNABY, B.C. V5B 3A9 TELEPHONE 298-2333

August 19, 1977

The Corporation of the District of Burnaby,
4949 Canada Way,
Burnaby, B.C.
V5G 1M2

ATTENTION: Mr. V. Wiebe, P. Eng.
Design Engineer

Dear Sir:

Re: Engineering Services for 1978
Local Improvement Program
Our File No. 17-77-78

RECEIVED IN
ENGINEERING DEPT.
AUG 19 1977
VW
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F

We are pleased to submit our proposal for engineering services for field survey, drafting and design for the projects listed and attached to your letter of July 29, 1977.

Our fees would be in accordance with Section IV - Schedule of Fees as published by the Association of Professional Engineers of B.C. and using Scale I - Payroll Cost plus 125%.

Our maximum fees for the projects listed are as follows:

- Project "A".....\$9,800.00
- Project "B".....\$19,900.00
- Project "C".....\$7,900.00

Our fee does not include any allowance for disbursements as covered by Section VI of the Scale of Minimum Fees and these would be charged as an expense additional to the maximum fee. The use of survey vans would be considered a disbursement as well as any soils investigations that may be deemed necessary on Project "C". These specialized services would be utilized only with the approval of the Corporation.

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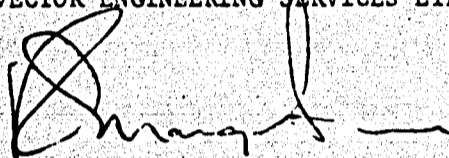
Page 2 Cont'd.....

Our firm is prepared to undertake and complete one, two or all three projects before the deadline of February 1, 1978.

We thank you for the opportunity to present this proposal.

Yours truly,

VECTOR ENGINEERING SERVICES LTD.,



R. Margetson, C.E.T.

RM/kg

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Robert F. Binnie Ltd.

650 CLYDE AVENUE/WEST VANCOUVER, BRITISH COLUMBIA V7T 1L2
TELEPHONE 926-7734

R.F. Binnie, P. Eng.

August 19, 1977

Department of the Engineer

The Corporation of the
District of Burnaby
4949 Canada Way
BURNABY, B. C. V5G 1M2

Attention: Mr. V. N. Wiebe, P. Eng.,
Design Engineer.

RECEIVED IN
ENGINEERING DEPT.

AUG 19 1977

REFER TO	
✓ W	✓ W

Dear Sirs:

Re: Engineering Services for 1978
Local Improvement Program.

Thank you for the opportunity of submitting a proposal for the above works.

We have assessed all of the requirements which accompanied your letter of July 29, 1977, and our proposal outlined herein is based on those requirements.

We have also noted the requirements contained in your letter of July 29, 1977 and, in particular, we acknowledge that the absolute deadline for completion of approved drawings is February 1, 1978. We wish to advise that we are in a position to complete the work by this time.

Our fees will be base hourly rates using a 37½-hour week plus 25% for fringe benefits and 85% for overhead and profit.

On this basis, we are prepared to perform the work for the following maximum sums (upset price):

Project A	\$14,779.00
Project B	\$19,779.00
Project C	\$ 8,479.00

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The Corporation of the
District of Burnaby

August 19, 1977

We recognize that soils problems will be encountered on some of the streets, and we would expect extra compensation only if we jointly agree that a drilling program is essential. We are presently of the view that this will not be necessary.

Should you be interested, we are prepared to undertake some or all of the work using S.I. (metric) units. There would be no extra cost to you for this service. However, we would ask that the base line be established in S.I. units.

Yours very truly,

ROBERT F. BINNIE LTD.



R. F. Binnie, P. Eng.

RFB:eb

Robert F. Binnie Ltd.

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HUNTER, LAIRD ENGINEERING LTD.

RECEIVED IN
ENGINEERING DEPT.

ANDREW HUNTER, P.ENG., B.C.L.S.
DAVID W. LAIRD, B.A., B.A.I., P.ENG.

202 - 26 LORNE STREET
NEW WESTMINSTER, B. C.
526-2721

AUG 19 1977

August 19, 1977

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

Attention: Mr. V.N. Wiebe, P.Eng.
Engineering Department

Dear Sir:-

Re: Engineering Services for 1978
Local Road Improvement Program

We have examined the work as outlined in your letter of 29th July for the design of the street works for the above projects. We are pleased to submit our proposals as follows:-

Project A	\$13,500.00
Project B	\$26,000.00
Project C	\$10,000.00

We could complete the work by February 1st, 1978. However, we would feel more confident timewise and design quality wise if our work load was limited to a maximum of two of the above projects. We would of course also be most pleased to do just one of the above on its own as the case may be.

As discussed the above proposals assume road beam tests supplied by yourselves. In the event of encountering poor soils conditions we would intend to hire R.M. Hardy & Associates. We trust that their costs could be considered as an addition to the above proposals.

Once again we would like to thank you for giving us the opportunity to prepare this proposal.

We hope that if we are successful that we can start immediately.

Yours very truly,

DW Laird
David W. Laird, P.Eng.

DWL:OO

MUNICIPAL ENGINEERING PLANNING & LAND USE DEVELOPMENT