

ITEM	8
MANAGER'S REPORT NO.	56
COUNCIL MEETING	1980 09 08

RE: CONTRACT #8015, STILL CREEK PHASE II

The following is a report from the Purchasing Agent regarding tenders for Contract #8015.

RECOMMENDATION:

1. THAT the recommendation of the Purchasing Agent be adopted.

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TO: MUNICIPAL MANAGER

DATE: 1980 September 03

FROM: PURCHASING AGENT

RE: TENDERS FOR CONTRACT #8015, STILL CREEK PHASE II

RECOMMENDATION:

1. THAT the lowest tender submitted by B.A. Blacktop Limited in the amount of \$126,170.00 be accepted with final payment to be based on unit prices tendered and actual quantities used.

REPORT

Tenders were received up to 15:00 h local time on Tuesday, 1980 September 02 for the subject project.

The work includes the supply and installation of materials for roadway reconstruction.

Approximate quantities involved are:

Granular Materials	. . .	11000 tonnes
Asphaltic Concrete	. . .	800 tonnes
Remove or Recycle		
Asphaltic Concrete	. . .	4200 tonnes

The Contractor shall be prepared to commence work under the contract within seven (7) days of being ordered to do so in writing by the Engineer. All work shall be completed within thirty (30) consecutive working days.

The Municipal Engineer's estimate for this project was \$218,825.

The contract includes a cost escalation clause of energy related materials. The Corporation will make an equitable adjustment to contract unit prices where the asphalt work is affected by the following defined energy related material changes in price.

During the contract term, the Contractor shall advise the Engineer in writing of any changes in the Manufacturer's posted published prices, including Federal Excise Tax. The unit prices of asphaltic concrete mix shall be adjusted for payment purposes using the following proportions as a basis of calculation.

Liquid Asphalt	-	6% liquid asphalt by weight
Heating Oil	-	15 litres per tonne of asphaltic mix
Natural Gas	-	581.5 MJ (Megajoules) per tonne of asphaltic concrete mix supplied
Propane, Butane	-	30.07 litres per tonne of asphaltic concrete mix supplied.

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ITEM	8
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COUNCIL MEETING	1980 09 08

The Supplier shall list with his tender the posted prices, rates or tariffs of each of the above materials together with a list showing his plants to be used and the materials used at each plant.

153

Changes in costs of other energy sources such as electricity, gasoline, lube oil, diesel fuel for trucks shall be allowed for in the Contractor's unit prices and shall not be paid for by the Corporation.

Six (6) tenders were received and opened in the presence of Messrs. Constable, Hagen and representatives of the firms bidding.

A tabulation of the tenders received is attached. (Attachment A)

Still Creek Street, west of Douglas Road, is shown as a major industrial collector in the Transportation Committee's conceptual road plan. This contract is the next stage of construction in the Still Creek Street improvement program. As was stated in a previous report to Council on this subject (Item #15, Manager's Report #87 dated 78 12 11) the improvement of Still Creek Street is planned as a staged development due to the fact that it is not practical to undertake a full preloading operation such as was undertaken on Norland Avenue between Laurel and Spratt. The objective of the work scheduled under Contract #8015 is to establish uniformity of base construction and thus reduce differential settlements as much as possible. The contract is structured to encourage the recycling of existing materials. Although the Engineer's estimate is high in comparison to the bids received, we are of the opinion that the bidders took advantage of the benefits available from the reuse of materials.

A combination of the schedule of approximate quantities coupled with the unit prices submitted by the lowest bidder, B.A. Blacktop Limited is attached. (Attachments B1-B3)

The Municipal Engineer concurs with the recommendation.



K.F. Williams,
PURCHASING AGENT.

KFW/gbw
attachments

cc: Municipal Clerk
Municipal Engineer

THE CORPORATION OF THE DISTRICT OF BURNABY
TABULATION OF TENDERS FOR
CONTRACT #8015
STILL CREEK STREET PHASE II

PURCHASING DEPARTMENT
 1980 September 02

NO.	COMPANY	TOTAL
1	Imperial Paving Ltd.	\$ 197,264.00
2	B.A. Blacktop Ltd.	126,170.00
3	S.L. Paving Ltd.	161,958.00
4	Columbia Bitulithic Ltd.	168,442.50
5	Jack Cewe Ltd.	178,546.58
6	Winvan Paving Ltd.	165,645.00

LOWEST BIDDER:

B.A. Blacktop Limited
 P.O. Box 86340
 North Vancouver, B.C.
 V7L 4K6

ITEM	8
MANAGER'S REPORT NO.	56
COUNCIL MEETING	1980 09 08

(ATTACH. A)

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MANAGER'S REPORT NO.	56
COUNCIL MEETING	1980 09 08

THE CORPORATION OF THE DISTRICT OF BURNABY
SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

CONTRACT #8015

STILL CREEK STREET - PHASE II

Quantities in this Schedule are approximate and for tender purposes only. Payment will be made on actual measured quantities of completed work units. Unit prices shall govern and extensions may be corrected if in error. Unit prices tendered shall be used for the purpose of comparison of tenders, for calculating progress payments or for authorized additional work or deductions and shall include the supply of all materials, labour, equipment and plant for complete installation or construction of items specified below. Refer to Special Provisions and General Specifications for definition and method of measurement.

ALL QUOTATIONS MUST BE TYPEWRITTEN

Section I - Site Preparation

This section covers all excavation for surface works. Materials must be excavated, loaded and transported to on-site fill areas or disposed of to qualify for payment under this section. Unit prices for common excavation are to include cutting or filling subgrades to approximate design grades.

Item	Description	Unit	Quantity	Rate	Total
1.	Common Excavation	cu. metre	200	\$10.00	2000.00 ✓
2.	Remove and/or Recycle Asphaltic concrete	tonne	4,500	\$4.00	18000.00 ✓
3.	Hand Excavation - (Payment to be made per Clause 40 of the General Conditions)				\$1,500.00 ✓
Total Section I					\$21500.00 ✓

Section II - Grading

This section includes all grading of streets and boulevard areas. Unit prices are to include grading of existing materials that can be used for base construction as well as the grading of new imported material.

Item	Description	Unit	Quantity	Rate	Total
4.	<u>Boulevard grading -</u> Tolerance ± 75 mm	sq. metre	2,500	\$ 0.75	\$ 1875.00 ✓
5.	Subgrade grading	sq. metre	10,000	0.35	3500.00 ✓
6.	Fine grading for roadways	sq. metre	7,700	0.40	3080.00 ✓
7.	Fine grading for drive-ways	sq. metre	2,300	0.50	1150.00 ✓
Total Section II					\$9605.00 ✓

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

ITEM	8
MANAGER'S REPORT NO.	56
COUNCIL MEETING	1980 09 08

SECTION III - STORM SEWERS

This section includes all sewer works required. Unit prices are to include excavation, bedding, backfill and restoration except as noted in the Special Provisions. Imported granular backfill, where ordered will be paid for under Section IV, otherwise payment is in accordance with Form V of the General Specifications.

Item	Description	Unit	Quantity	Rate	Total
8.	Raise existing catch basin grates within following limits:				
(a)	0 - 300 mm	each	5	\$100.00	\$ 500.00
(b)	300 - 600 mm	each	8	200.00	1600.00
9.	Supply and install 16 gauge 150 mm dia. C.S.P. culverts under driveways.	metre	20	85.00	1700.00
Total Section III					\$3800.00

Section IV - Supply of Gravel, Sand and Aggregates

Unit prices for the following items are to include the supply, transportation and placing costs of the various aggregates.

Item	Description	Unit	Quantity	Rate	Total
10.	Pit Run gravel for road driveway and boulevard construction.	tonne	4,100	\$ 6.20	\$25420.00
11.	75 mm minus crushed gravel	tonne	400	8.00	3200.00
12.	20 mm minus crushed gravel	tonne	2,900	6.80	19720.00
Total Section IV					\$48340.00

Section V - Asphaltic Concrete

This section covers all the various types and methods of placement of asphaltic concrete. Unit prices shall include the supply, transportation and placing of the asphaltic concrete types specified.

Item	Description	Unit	Quantity	Rate	Total
13.	Asphaltic concrete Type IV	tonne	700	\$24.00	\$16800.00
14.	Asphaltic concrete Type V hand laid	tonne	175	35.00	6125.00
Total Section V					\$22925.00

Section VI - Contingency Work

The allowance in this section is to cover unforeseen work which may be required on the projects for which unit prices have not been provided.

Item	Description	Unit	Quantity	Rate	Total
15.	Contingency work payment to be made per Section 40, General Conditions.		Provisional Sum		156 \$20,000.00

ITEM	8
MANAGER'S REPORT NO.	56
COUNCIL MEETING	1980 09 08

THE CORPORATION OF THE DISTRICT OF BURNABY

157

CONTRACT #8015

STILL CREEK STREET - PHASE II

TENDER SUMMARY

Site Preparation	Section I.....	\$ 21500.00	/
Grading.....	Section II.....	\$ 9605.00	/
Storm Sewers.....	Section III.....	\$ 3800.00	/
Supply - Gravel Aggregates.....	Section IV.....	\$ 48340.00	/
Asphaltic Concrete.....	Section V.....	\$ 22925.00	/
Contingency Sum.....	Section VI.....	\$ 20000.00	/
TOTAL TENDER		\$ 126170.00	/

B.A. BLACKTOP

TENDERER:

[Signature]
 5030 Enterprises Ltd.
 a partner.