

ITEM 11
MANAGER'S REPORT NO. 48
COUNCIL MEETING 1984 07 23

RE: CONTRACT #8405 - OAKLAND STREET, STILL CREEK STREET, SPROTT STREET

MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Director Finance be adopted.

* * * * *

TO: MUNICIPAL MANAGER 1984 July 18

FROM: DIRECTOR FINANCE

RE: CONTRACT #8405 - OAKLAND STREET, STILL CREEK STREET, SPROTT STREET

RECOMMENDATION

1. THAT the lowest tender in the amount of \$2,773,076.10 submitted by Progressive Contractors (Langley) Ltd., be accepted with final payment based on actual quantities and unit prices tendered.

REPORT

Tenders for this project were received up to 3:00 p.m. local time on Monday, 1984 July 16.

The work of this contract consists of the supply and installation of the following:

Oakland Street - Construct residential collector street, approximately 1,850 meters in length, between Royal Oak Avenue and Sperling Avenue.

The major items of work are clearing and grubbing, excavation and embankment, imported fill obtained partially from Still Creek Street, curb and gutter, sidewalks, asphaltic concrete, waterworks, storm sewers and ornamental street lighting.

Still Creek Street - Construct industrial collector street west of Douglas Road from the west property line of No. 4888 to about 148 meters east of Royal Oak Avenue.

The work consists of removing all existing granular material to the peat level and replacing with hog fuel and clear crushed igneous rock. Existing utilities must be protected. A 14 meter wide asphaltic concrete pavement with asphaltic curbs is included in the work.

Sprott Street - Addendum No. 1 was issued to the contract for the addition of the reconstruction of Sprott Street, Douglas Road to Highway 401.

The main items of work are excavation, supply and place granular base material, curb and gutter, asphaltic concrete and ornamental street lighting.

The estimate for this project is \$2,888,000.00.

All work included under this contract shall be completed by 1984 November 15.

Seven (7) tenders were received and opened in the presence of municipal staff and representatives of the firms bidding.

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

Funds to finance this contract have been appropriated from our Capital Works Reserve Fund and are in place. By-law 8200 funding Oakland Street was adopted 1984 May 22; and By-law 8233 funding Sprott Street and By-law 8234 funding Still Creek Street, both appear in the Council agenda of 1984 July 23 for reconsideration and final adoption.

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During the collation process in preparing the contract documents a page was omitted from the section dealing with special provisions for the supply of a site office for the consulting engineer. Although this was a fairly insignificant item, the Purchasing Agent, after consultation with Engineering staff and the consulting engineer, decided to omit the item dealing with this matter in the schedule of quantities.

Contractors were informed of the above decision before tenders were opened.

The above omission had no bearing on the final outcome since there was a difference of \$232,819.85 between the low bidder and the second bidder.

A combination of the schedule of quantities, coupled with the unit prices submitted by the lowest bidder, Progressive Contractors (Langley) Ltd., is also attached. (ATTACH B-1 to B-14)

The Director Engineering and our consultant R.F. Binnie & Associates Ltd. concur with the above recommendation.


 for Howard Karras
 DIRECTOR FINANCE

c.c. Director Engineering
 Municipal Clerk
 Municipal Solicitor



THE CORPORATION OF THE DISTRICT OF BURBARY
TABULATION OF TENDERS FOR
CONTRACT #8405
OAKLAND STREET & STILL CREEK STREET

PURCHASING DEPARTMENT
 1984 July 17

TOTAL PRICE
 Less Item 1 - Pg. 13
 (Engineer's Office)

NO.	COMPANY NAME	TOTAL
1.	Jack Gewe Limited	\$ 3,115,989.89
2.	Kany Construction & Engineering Ltd.	3,109,646.32
3.	H.B. Contracting Ltd.	3,046,645.98
4.	United Contractors Ltd.	* 3,059,831.75
5.	Progressive Contracting (Langley) Ltd.	2,773,876.10
6.	C. Victor Koran Ltd.	3,362,313.00
7.	Southwest Contracting Ltd.	* 3,007,395.95
		3,005,895.95

(*) Totals corrected after tabulation check.

PROGRESSIVE CONTRACTING (LANGLEY) LIMITED
 #201 - 5631 - #3 Road
 Richmond, B.C.
 V6X 2C7
 (273-6655)

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ATTACHMENT A

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ATTACHMENT B-1

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THE CORPORATION OF THE DISTRICT OF BURNABY

CONTRACT #8405

SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

OAKLAND STREET AND STILL CREEK STREET

REVISED - ADDENDUM NO. 1

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 and delivery 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 OR IN INK

SECTION I - SITE PREPARATION

This section covers all excavation for surface works. Materials must be excavated, loaded and transported to on-site areas or disposed of, to qualify for payment under this section.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	<u>Clearing and grubbing</u> Oakland Street	hectare	4.5	\$ 2,400 ⁰⁰	\$ (10,800 ⁰⁰)
2.	<u>Danger trees</u> Oakland Street	each	50	120 ⁰⁰	(6,000 ⁰⁰)
3.	Miscellaneous clearing and grubbing <u>Payment to be made as per</u> <u>Section 40 of the General</u> <u>Conditions</u>	prov. sum	--	--	10,000.00
4.	Common excavation - Oakland Street	cu. m	1,000	209 ⁰⁰	209,000 ⁰⁰
5.	Topsoil removed and deli- vered to Century Park	cu. m	1,000	218 ⁰⁰	218,000 ⁰⁰
6.	Overburden removed to Riverway Sports Complex and spread	cu. m	2,000	522 ⁰⁰	1,044,000 ⁰⁰
7.	Common excavation on Oakland Street, placed and compacted in embank- ment areas	cu. m	23,000	305 ⁰⁰	7,015,000 ⁰⁰

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SITE PREPARATION (Cont'd)

REVISED - ADDENDUM NO. 1

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
8.	Excavation and disposal by Contractor of unsuitable overburden or other material from Oakland	cu. m	43,200	\$ 5.13	\$ 2,217.60
	<u>Common Excavation - Still Creek</u>				
9.	Excavation of granular and other material, haul to Oakland, place and compact for embankments	cu. m	9,700	5.13	51,915.00
10.	Excavation of granular and other material, haul to Sprott St., place and compact for road and sidewalk construction	cu. m	2,300	4.63	10,649.00
11.	Excavation of peat and unsuitable material and disposed of by Contractor	cu. m	3,500	9.66	33,810.00
	<u>Common Excavation - Sprott Street</u>				
12.	For roadways, sidewalks, curbs and gutters and Boulevards	cu. m	1,600	5.13	8,208.00
	<u>General - Oakland Street, Still Creek Street and Sprott Street</u>				
13.	Common Excavation for retaining walls, field stone revetments, steps, walks and driveways	cu. m	600	5.88	3,528.00
14.	Rubble Excavation	cu. m	1,750	6.48	11,240.00
15.	Rock Excavation - Surface works	cu. m	60	4.80	2,880.00
16.	Rock Excavation - Trenches	cu. m	10	9.60	960.00
17.	Proof Rolling - Payment to be made per Clause 40, General Conditions	prov. sum	--	--	5,000.00
18.	Removal of existing drainage facilities including disposal or salvage, as directed	metre	270	12.33	3,329.10
	TOTAL SECTION I				\$ 533,213.10

SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION II - STORM SEWERS

REVISED - ADDENDUM NO. 1

This section includes all sewer works required. Unit prices are to include excavation, bedding, backfill and restoration except as noted in the Special Provisions.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	Main Line Storm Sewer and Culverts				
	<u>Supply and Install - all depths</u>				
	(a) 200 mm dia.	metre	320	\$ 17	\$ 5358
	(b) 250 mm dia.	metre	170	5.24	891
	(c) 300 mm dia.	metre	135	6.91	933
	(d) 375 mm dia.	metre	60	7.34	440
	(e) 450 mm dia.	metre	195	7.50	1472
	(f) 600 mm dia.	metre	85	10.98	923
	(g) 750 mm dia.	metre	26	16.81	436
	(h) 900 mm dia.	metre	40	19.60	784
	(i) 1050 mm dia.	metre	24	28.51	684
2.	Service Connections - Oakland Street				
	<u>All types, all depths - refer to Std. Dwg. L944</u>				
	(a) 100 mm dia.	metre	20	25	513
	(b) 150 mm diameter	metre	120	11.2	1344
3.	Manholes				
	<u>Supply and Install. Depth measured from lowest invert to top of MH cover.</u>				
	(a) 1050 mm diameter barrel	vert. metre	31	6.74	2090
	(b) 1200 mm diameter barrel	vert. metre	8	5.60	448
4.	Drops at Manholes				
	(a) Manhole 1	vert. metre	2	7.85	15.7
5.	Break into and Re-Bench Manholes				
	(a) Manhole 1	each	1	165	165
	(b) Manhole 2	each	1	542	542
	(c) Manhole 7	each	1	165	165
6.	Catch Basins - Oakland Street and Sprrott Street				
	<u>Supply and Install</u>				
	(a) Type I	each	26	524	13624
	(b) Type V	each	84	6.4	538
	(c) Type VI	each	5	143	715
	(d) Relocate catch basins	each	33	146	4818

SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICESSECTION II - STORM SEWERS (Cont'd)REVISED - ADDENDUM NO. 1

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
7.	Catch Basins - <u>Still Creek Street</u>	each	9	\$ 140. ⁹⁵	\$ 1269. ⁹⁵
(a)	Replace existing catch basins				
8.	Catch Basin Leads - Oakland St., Still Creek St. and Sprott St.	metre	500	30. ⁴⁰	15200. ⁰⁰
(a)	150 mm diameter	metre	275	35. ⁰⁰	9795. ⁰⁰
(b)	200 mm diameter				
9.	Remove or Abandon <u>Existing Catch Basins</u>	each	7	22. ⁹⁹	151. ⁹³
10.	Supply and Install Drain <u>Tile including Drain Rock</u>	metre	400	44. ⁹¹	17964. ⁰⁰
(a)	100 mm diameter	metre	500	18. ⁰¹	9005. ⁰⁰
(b)	150 mm diameter				
11.	Ditching at Toe of Fill Slopes - Oakland Street	metre	200	9. ³⁴	1868. ⁰⁰
12.	Concrete Anchor Blocks complete, Oakland Street	each	5	101. ¹⁹	505. ⁹⁵
13.	Storm and Sanitary Sewer Connections - Still Creek Street	metre	280	6. ⁰³	1688. ⁴⁰
(a)	Remove and dispose of piles, pile caps and grade beams	metre	280	25. ¹²	7116. ⁰⁰
(b)	Remove and relay storm and sanitary sewer service con- nections	metre	300	4. ⁵⁰	1350. ⁰⁰
14.	Sand/Cement Bags, where ordered	each	300	410. ⁴⁰	123120. ⁰⁰
15.	600 mm dia. 45° mitre bend	each	1	--	200. ⁰⁰
16.	Break into existing 600 mm dia. storm sewer on Sprott St. and supply and install 1200 mm dia. manhole and make good. Approximate depth 2 metres	lump sum			
17.	Construct concrete outlet structures in accor- dance with Std. Dwg. L1489, excluding grillage	each	4	984. ¹⁷	3937. ⁰⁰
18.	Supply and install special manholes on Oakland St. as shown on the drawings:	lump sum			
(a)	MH5 - Dwg. 405-A-ST5	lump sum			6095. ⁰⁰
(b)	MH10C - Dwg. 405-A-ST8	lump sum			5416. ⁰⁰
TOTAL SECTION II					\$ 260791. ⁰⁰

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION III - WATER WORKS

REVISED - ADDENDUM NO. 1

This section includes all water works required. Unit prices are to include materials, excavation, bedding, backfilling and restoration where required. Imported granular backfill, where ordered, will be paid for under Section IV; otherwise payment is in accordance with Form VI of the General Specifications.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	<u>Main Line</u> Supply and install water-main. Depths given are to pipe invert:				
	(a) 300 mm dia. D.I. Class 50:				
	(i) 0 - 2 m	metre	755	\$ 16. ⁵⁰	\$ 12,262. ⁵⁰
	(ii) 2 - 3 m	metre	10	9.15 ⁰⁰	91. ⁵⁰
	(b) 300 mm dia. D.I. FL pipe Class 53, complete with Class 125 threaded flanges				
	(i) 0 - 2 m	metre	11	2,000. ⁰⁰	22,000. ⁰⁰
2.	150 mm dia. D.I., Class 50: All depths	metre	85	391. ⁶²	33,207. ⁷⁰
3.	Cast Iron Fittings, Class 125:				
	(a) <u>Bends:</u>				
	(i) 300 mm dia 22-1/20 Tyt x Tyt	each	1	321. ¹²	321. ¹²
	(ii) 150 mm dia 22-1/20 Flg x Tyt	each	3	173. ⁰²	519. ⁰⁶
	(b) <u>Tees:</u>				
	(i) 300 mm dia. Tyt x 300 mm dia. Flg x 150 mm dia. Tyt	each	1	599. ¹³	599. ¹³
	(ii) 300 mm dia. Flg x 300 mm dia. Flg x 300 mm dia. Flg	each	1	616. ²⁸	616. ²⁸
	(c) <u>Blank Flanges:</u>				
	300 mm dia. blank flange	each	1	141. ⁵¹	141. ⁵¹
	(d) <u>Cross</u>				
	300 Tyt x 300 Tyt x 150 Flg x 150 Flg cross	each	1	568. ⁸⁸	568. ⁸⁸
	(e) <u>Caps - 150 mm dia.</u>	each	2	86. ⁸⁸	173. ⁷⁶

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION III - WATER WORKS (Cont'd)

REVISED - ADDENDUM NO. 1

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
4.	Gate Valves, complete				
(a)	300 mm dia. Tyt x Tyt	each	3	\$ 1070 ³³	\$ 3210 ³³
(b)	300 mm dia. Flg x Tyt	each	1	1092 ²⁸	1092 ²⁸
(c)	300 mm dia. Flg x Flg	each	2	1114 ¹⁵	2229 ³⁰
(d)	150 mm dia. Flg x Flg	each	2	1129 ⁵	2258 ¹⁰
5.	Fire Hydrant Assemblies	each	4	2333 ⁰¹	9332 ⁰⁴
6.	Connect to Existing Watermains:				
(a)	At existing 300 mm dia. gate valve	lump sum		--	589 ⁶⁹
(b)	At existing 150 mm dia. gate valve	lump sum		--	292 ³⁴
7.	Connection to existing watermain by Corporation of Burnaby. Contractor to excavate, backfill and supply all necessary pipe and fittings	lump sum		--	614 ⁶⁴
8.	Concrete Anchor Blocks with tie rods, complete	each	2	378 ⁰⁸	756 ¹⁶
9.	Concrete surround	cu. m	10	1349 ²²	13492 ²²
10.	Testing and Disinfecting	lump sum		--	2186 ⁹⁵
11.	Waterworks within Bridge Zone:				
(a)	300 mm dia. D.I. Class 53 pipe, complete with Class 125 threaded flanges	metre	55	200 ⁵⁹	11002 ⁴⁵
(b)	Bends: 300 mm dia. 90° Flg x Flg cast iron Class 125	each	4	464 ⁰³	1856 ¹²
(c)	Gate Valves, complete: 300 mm dia. Flg x Flg	each	2	1115 ³¹	2230 ⁶²
(d)	Concrete Anchor Blocks, complete	each	2	1019 ⁷	2038 ¹⁴
TOTAL SECTION III					\$ 105041 ²¹

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION IV - SUPPLY OF GRAVEL, AGGREGATES, TOPSOIL AND HOG FUEL

REVISED - ADDENDUM NO. 1

Unit prices for the following items are to include the supply, transporting, placing and compaction of the various aggregates, topsoil and hog fuel.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	Clear Crushed Igneous Rock:				
	(a) Still Creek Street	tonne	12,500	\$ $\frac{11.8}{1425}$	\$ 139750
	(b) Oakland Street	tonne	1,000		14250
2.	Hog Fuel - Still Creek Street	cu. m	8,000	$2 \frac{2}{3}$	20640
3.	Granular Fill - Oakland Street	tonne	25,000	$\frac{64}{1000}$	16000
4.	Pit Run Gravel for road and sidewalk construction	tonne	23,000	$8 \frac{16}{100}$	187680
5.	75 mm Minus Crushed Gravel, if ordered	tonne	500	$7 \frac{16}{100}$	3580
6.	20 mm Minus Crushed Gravel - for roads and driveways	tonne	7,200	$8 \frac{33}{100}$	59976
7.	Topsoil	cu. m	1,750	$16 \frac{37}{100}$	28697.5
8.	Drain Rock - 40 mm natural round stone	tonne	200	$13 \frac{87}{100}$	2774
9.	Rip Rap				
	(a) Class 25	tonne	1,000	$\frac{19.9}{100}$	19990
	(b) Class 100	tonne	1,000	$\frac{19.9}{100}$	19990
	(c) Class 2000	tonne	1,000	$\frac{20.5}{100}$	20500
	TOTAL SECTION IV				\$ 533827.5

TOTAL SECTION IV \$ 533827.5

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SCHEDULE OF QUANTITIES AND UNIT PRICESSECTION V - GRADING AND HYDRO-SEEDINGREVISED - ADDENDUM NO. 1

This section includes all grading of street, curb and gutter, sidewalks 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.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	Subgrade preparation - Tolerance plus or minus 25 mm	sq. m	47,500	\$ 0.42	\$ 19,950.00
2.	Fine Grading for Roadways - Tolerance plus or minus 6 mm	sq. m	36,000	0.16	21360.00
3.	Fine Grading for Driveways - Tolerance plus or minus 6 mm	sq. m	900	1.65	1485.00
4.	Boulevard Grading - Tolerance plus or minus 25 mm	sq. m	8,500	0.90	7650.00
5.	<u>Hydro Seeding</u>				
(a)	Fertilizing and Seeding	hectare	3	990.00	2970.00
(b)	Mulching	hectare	3	2270.00	6810.00
	TOTAL SECTION V				\$ 53610.00

SECTION VI - ADJUSTMENT OF EXISTING APPURTENANCESREVISED - ADDENDUM NO. 1

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	Manhole covers	each	66	\$ 110.00	\$ 7260.00
2.	Valve box covers	each	40	33.00	1320.00
3.	Catch basin grates	each	5	71.00	355.00
4.	Street lighting junction boxes	each	6	22.00	132.00
5.	Extend barrels of existing manholes (extra over Item 1)	vert. metre	20	22.00	440.00
6.	Shorten barrels of existing manhole (extra over Item 1)	vert. metre	10	55.00	550.00
	TOTAL SECTION VI				\$ 14097.00

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION VII - CONCRETE WORK

REVISED - ADDENDUM NO. 1

Portland Cement Concrete Curbs, Walks, Steps, Driveways and Walls.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	Combined curb and gutter, Type A or AX, curved or straight, including vertical adjustment of catch basins	lin. m	5,020	\$ 20 ¹²	\$ 100,400 ⁰⁰
2.	Sidewalks separate from curb and gutter	sq. m	1,460	17 ³⁵	25,331 ⁰⁰
3.	Connector walks	sq. m	120	17 ⁸²	2,095 ⁶⁰
4.	Sidewalks adjacent to curb and gutter	sq. m	2,700	17 ¹⁷	46,351 ⁰⁰
5.	Sidewalk Crossings: (a) 140 mm thick - extra over sidewalk	sq. m	255	7 ⁵³	1,920 ¹⁵
	(b) 190 mm thick - extra over sidewalk	sq. m	120	12 ⁷⁰	1,524 ⁰⁰
6.	Concrete driveway - 140 mm thickness	sq. m	160	19 ⁹⁰	3,184 ⁰⁰
7.	Steps and risers	riser m	65	58 ⁹¹	3,831 ¹⁵
8.	Retaining walls and wing walls for steps	cu. m	8	408 ¹⁰	3,264 ⁸⁰
9.	Retaining walls - Dwg. L602: (a) 0 m - 2 m	cu. m	90	311 ⁰⁰	28,000 ⁰⁰
	(b) 2 m - 3 m	cu. m	100	423 ⁰⁰	42,300 ⁰⁰
	(c) Integrated retaining wall and curbed sidewalk, complete, per Std. Dwg. L769	lin. m	270	119 ⁹⁵	32,386 ⁵⁰
10.	Handrail - Dwg. L1505	lin. m	60	76 ⁸²	4,615 ³⁰
TOTAL SECTION VII					\$ 301,131 ³⁵

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SECTION VIII - ASPHALTIC CONCRETE

REVISED - ADDENDUM NO. 1

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.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	Clean existing pavement, fill cracks and tack coat	sq. m	5,900	\$ 413	\$ 2,455,700
2.	Asphaltic concrete Type IV: (a) 0 - 2 m strip width (b) over 2 m strip width	tonne tonne	120 5,950	34 33.11	4,152.00 197,805.50
3.	Asphaltic concrete Type V - machine laid	tonne	5,500	33.11	182,260.50
4.	Asphaltic concrete Type V - hand laid	tonne	450	50.91	22,909.50
5.	Asphaltic concrete curb 150 mm high	metre	1,150	5.12	5,888.00
				TOTAL SECTION VIII	\$ 402,653.50

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION IX - STREET LIGHTING AND TRAFFIC CONTROL

REVISED - ADDENDUM NO. 1

Unit prices are to include all necessary excavation, bedding, supply of material, installation, backfilling and compaction for the items listed. Granular backfill, where ordered, will be paid for under Section IV.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	<u>Supply and Install Rigid P.V.C. Conduit:</u>				
	(a) 50 mm dia.	metre	245	\$ 2.76	\$ 2176.80
	(b) 32 mm dia.	metre	3,020	7.10	21460.00
2.	<u>Supply and Install Wiring</u>				
	(a) 2 - #6 T.W.H feeders with 1 - #8 T.W.H. ground	metre	680	3.09	2101.20
	(b) 3 - #6 T.W.H. feeders with 1 - #8 T.W.H. ground	metre	2,365	3.81	9010.65
3.	<u>Supply and Install Junction Boxes</u>	each	37	55.62	2055.74
4.	<u>Supply and Install Concrete Pole Bases:</u>				
	(a) Per Std. Dwg. L736	each	56	222.93	12458.88
	(b) Per Std. Dwg. L1160	each	2	255.49	510.98
5.	<u>Supply and Install Street Light Poles complete with Luminaire</u>				
	(a) 9.14 m high, 150 watt H.P.S. luminaire	each	56	576.80	32300.80
	(b) 8.23 m high, 150 watt H.P.S. luminaire complete with weatherproof distribution base	each	2	1678.00	3356.00
6.	<u>Supply and Install Service and Service Equipment to B. C. Hydro Poles</u>	each	2	566.50	1133.00
7.	<u>Traffic Signals and Luminaires (See Special Provisions)</u>	lump sum		--	14998.90
TOTAL SECTION IX					\$ 101196.82

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICESSECTION X - PEDESTRIAN UNDERPASSREVISED - ADDENDUM NO. 1

Unit prices are to include all cartage to site, taxes, installation, erection, painting, clean-up and restoration of other trades' work, if required.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	20 mm minus crushed granular material below bridge abutments	tonne	700	\$ 9 ²¹	\$ 6370 ⁰⁰
2.	Concrete abutments	lump sum		--	16,189 ⁰⁰
3.	Precast box stringers in situ including bearings and rubber backwall sheeting	lump sum		--	91,836 ⁶⁹
4.	Sidewalks and box grouting	lump sum		--	19,775 ⁵⁷
5.	Fencing in situ	lump sum		--	19,102 ⁰⁰
6.	Painting	lump sum		--	17,519 ⁰⁰
7.	50 mm dia. street light ducting	lin. m	20	11 ⁶³	232 ⁶⁰
	TOTAL SECTION X				\$ 156,439 ⁷⁸

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SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

SECTION XI - MISCELLANEOUS AND CONTINGENCY WORK

REVISED - ADDENDUM NO. 1

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	<u>Engineer's Office</u>	prov. sum		\$ --	\$ <u>300,000.00</u>
2.	<u>Contingency Sum</u>				
	For work to be paid as extra work under Clause 40 of the General Conditions of the Contract	prov. sum		\$ --	<u>300,000.00</u>
	TOTAL SECTION XI				\$ <u>300,000.00</u>

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THE CORPORATION OF THE DISTRICT OF BURNABY

CONTRACT #8405

OAKLAND STREET AND STILL CREEK STREET

TENDER SUMMARY

REVISED - ADDENDUM NO. 1

Site Preparation	Section I	\$ 532,213. ¹⁰ -
Storm Sewers	Section II	\$ 200,799.94
Water Works	Section III	\$ 105,000.00
Supply of Gravel, Aggregates	Section IV	\$ 533,000. ⁰⁰
Topsoil and Hog Fuel	Section V	\$ 655,301. ⁰⁰
Grading and Hydro-Seeding	Section VI	\$ 19,000. ⁰⁰
Adjustment of Existing	Section VII	\$ 301,131. ⁰⁰
Appurtenances	Section VIII	\$ 402,000. ⁰⁰
Concrete Work	Section IX	\$ 101,190. ⁰⁰
Asphaltic Concrete	Section X	\$ 156,939. ⁰⁰
Street Lighting and Traffic Control	Section XI	\$ 300,000. ⁰⁰ ✓
Pedestrian Underpass	TOTAL TENDER	\$ 2,773,876. ¹⁰
Miscellaneous and Contingency Work		

TENDERER: PROGRESSIVE CONTRACTING (LANGLIS) LTD

