

RE: CONTRACT #8311  
GREYSTONE ARDEN CONNECTOR/SHELLMONT STREET

MUNICIPAL MANAGER'S RECOMMENDATION:

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

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TO: MUNICIPAL MANAGER  
FROM: PURCHASING AGENT  
RE: CONTRACT #8311 - GREYSTONE ARDEN CONNECTOR/  
SHELLMONT STREET

DATE: 1983 June 07

RECOMMENDATION:

1. THAT the lowest tender in the amount of \$296,333.50 submitted by Peden Construction and Engineering Limited be accepted, with final payment based on actual quantities and unit prices tendered.

REPORT

Tenders for this project were received up to 15:00 h local time on Tuesday, 1983 May 24th.

The work includes the construction of approximately 780 metres of roadworks and streetlighting and of approximately 250 metres of storm sewers and appurtenances.

The estimate for this project is \$360,000.

All work included under this contract shall be completed within sixty (60) working days after commencement of construction.

Ten (10) 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. (ATTACH. A)

Funds for this project are included in the Land Assembly and Development section of the 1983 Capital Budget.

The lowest tender for Contract #8311 has been submitted by Peden Construction and Engineering Limited. The Company and its personnel are unknown to Engineering Department staff. Engineering Department staff has subsequently met with the principal of Peden Construction and his Superintendent. It would appear from these discussions that the Company has little experience in the type of work required under this contract. The Company cites as previous experience two sub-divisions which have been undertaken in the Fraser Valley area. These projects were not undertaken by Peden Construction but by a related Company, Bruce Morton Contracting Ltd. The Engineering Department has reservations about the ability of this Company to perform the work, however, the Engineering Department does not have sufficient evidence to substantiate an unequivocal statement that the Company would be unable to perform the work. As previously stated, the Company has little experience in this type of work and would lean heavily on subcontractors for their construction capacity and expertise. Peden Construction and Engineering Limited has provided the Corporation with some letters of testimony as to their ability. While these letters are positive in some regard, they further emphasize the polarized nature of the Company's experience. It would appear that the Company's expertise lies in the area of gravel supply and placement. The Engineering Department is of the opinion that additional costs will be incurred due to a required increased level of construction supervision.

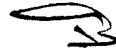
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However, the Corporation is committed to a process of competitive tendering, with the work being awarded to the lowest bidder when all aspects of legal requirements and specifications and specified conditions have been met. From Peden Construction's tender it would appear that the legal aspects of the bonding requirements have been met. The Engineering Department would, therefore, recommend that a contract be awarded to Peden Construction, however the Engineering Department felt that Council should be made aware of some of the circumstances surrounding the lowest tender.

A combination of the schedule of quantities, coupled with the unit prices submitted by the lowest bidder, Peden Construction and Engineering Limited, is also attached. (ATTACH. B1 - B5)



K.F. Williams,  
PURCHASING AGENT.

cc: Municipal Clerk  
Director Engineering

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PURCHASING DEPARTMENT  
1983 May 24

THE CORPORATION OF THE DISTRICT OF BURBARY  
TABLATION OF TENDERS  
CONTRACT #8311  
GREYSTONE ARDEN CONNECTOR - SHELLMONT STREET

NO.	COMPANY NAME	TOTAL
1	Winvan Paving Limited	\$ 361,515.00
2	H.B. Contracting Limited	318,328.50
3	Standard General Construction (B.C.) Limited	330,931.34
4	Peden Construction & Engineering Limited	296,333.50
5	Gosal Bros. Contracting Limited	315,114.30
6	Columbia Bitulithic Limited	338,249.85
7	Jack Cewe Limited	304,027.00
8	Goodbrand Construction Limited	334,421.00
9	Castle Concrete Limited	345,739.00
10	A.C. Paving Co. Limited	392,366.81
THE LOWEST BIDDER:		
Peden Construction & Engineering Limited		
5568 - 250 Street		
Aldergrove, B.C.		
VOX 1A0		
(604) 856-3737		



THE CORPORATION OF THE DISTRICT OF BURNABY

SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

CONTRACT #8311

GREYSTONE ARDEN CONNECTOR/SHELLMONT STREET

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, hauled and disposed of to qualify for payment under this section.

Table with 5 columns: Item, Description, Unit, Quantity, Unit Price, Amount. Includes items for clearing and grubbing, common excavation & disposal, and rock excavation & disposal.

TOTAL SECTION I

\$ 42,185.-

Section II - ROADWORKS

This section covers the supply and installation of all materials plus the labour and equipment required to construct all roadways in accordance with the drawings and specifications.

Table with 5 columns: Item, Description, Unit, Quantity, Unit Price, Amount. Includes items for subgrade preparation, supply and install pitrun gravel for roadfill, and supply and install gravel base/course.

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<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
5.	Supply and install asphaltic concrete Type IV for asphalt base course	tonnes	710	\$ 35.-	\$ 24,850.-
6.	Supply and install asphaltic concrete Type V for asphalt surface cause and overlays.	tonnes	490	\$ 37.30	\$ 18,277.-
7.	Combined curb and gutter Type A or AX, curved or straight, including vertical adjustment of catchbasins.	lin. m	1,000	\$ 21.40	\$ 21,400.-
8.	Asphaltic concrete extruded curb.	lin. m	25	\$ 11.-	\$ 275.-
9.	Boulevard grading as per special provisions.	sq. m	4,000	\$ 1.50	\$ 6,000.-

## TOTAL SECTION II

✓ \$ 145,852.-

Section III: STORM SEWERS

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This section includes all storm drainage works required. Unit prices are to include excavation, bedding, pipe laying and backfilling with imported granular materials. Payment is in accordance with Form V of the General Specifications except as noted in the Special Provisions.

The unit prices tendered shall include the supply of all labour, materials and equipment.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	250 mm dia. storm sewer.	lin. m	100	\$ 48.-	\$ 4,800.-
	a) 0-1.99 m deep				
2.	300 mm dia. storm sewer	lin. m	0	\$ 62.-	\$
	a) 0-1.99 m deep				
	b) 2-2.99 m deep	lin. m	70	\$ 72.-	\$ 5,040.-
3.	375 mm dia. storm sewer	lin. m	75	\$ 85.-	\$ 6,375.-
	a) 0-1.99 m deep				
4.	Manholes 1050 mm Ø. Supply and install. Depth measured from centre invert to underside of MH frame.	vert. m	9	\$ 485.-	\$ 4,365.-
5.	Catchbasins Supply and install.				
	Type I	each	3	\$ 450.-	\$ 1,350.-
	Type III	each	1	\$ 800.-	\$ 800.-
	Type V	each	10	\$ 475.-	\$ 4,750.-
6.	Catchbasin leads, all depths. Supply and install.				
	a) 200 mm Ø	lin. m	100	\$ 80.-	\$ 8,000.-
	b) 250 mm Ø	lin. m	15	\$ 15.-	\$ 225.00
					\$ 1,425.-
7.	Culverts				
	a) 900 mm Ø	lin. m	27.5	\$ 219.-	\$ 6,022.50

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Item	Description	Unit	Quantity	Unit Price	Amount
8.	Installation of standard concrete inlet structure at Sta. 4+17.	each	1	\$ <del>2,200.-</del> <sup>REF.</sup> 1,200.-	\$ <del>2,200.-</del> <sup>REF.</sup> 1,200.-
9.	Installation of standard concrete outlet structure at Sta. 4+17.	each	1	\$ <del>2,200.-</del> <sup>REF.</sup> 1,200.-	\$ <del>2,200.-</del> <sup>REF.</sup> 1,200.-
10.	Installation of steel grillage for inlet structure.	each	1	\$ 700.-	\$ 700.-
11.	Regrading and reshaping of existing watercourse as required and as directed.	lin. m	50	\$ 12.-	\$ 600.-
12.	Rock rip-rap, hand placed 100% fractured, min. size 300 mm.	tonne	150	\$ 20.-	\$ 3,000.-
13.	Relocation of existing CBI at intersection of Arden Avenue and Shellmont Street.	each	1	\$ 450.-	\$ 450.-
14.	Removal of catchbasin and lead at approximately Sta. 6+67.	each	1	\$ 200.-	\$ 200.-
15.	Adjustment of existing manholes.	each	2	\$ 125.-	\$ 250.-

## TOTAL SECTION III

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\$50,527.50
<u>49,327.50</u>

## Section IV: STREET LIGHTING

The following items include various street lighting works necessary to be completed prior to final paving of the roads. Unit prices are to include all necessary excavation, bedding, supply of material, installation and backfilling for the items listed. The unit prices tendered shall include all labour, materials and equipment.

Item	Description	Unit	Quantity	Unit Price	Amount
1.	Supply and install P.V.C. conduit 30 mm diameter	metre	800	\$ 8.45	\$ 6,760.-
2.	Supply and install wires from service poles to all lamp bases. a) 2 - #6 T.W.H. feeders with T.W.H. green ground	metre	70	\$ 4.40	\$ 308.-
3.	3 - #6 T.W.H. feeders with 1 - #6 T.W.H. green ground.	metre	730	\$ 5.70	\$ 4,161.-
3.	Pole Base - Supply and install concrete bases as per Dwg. L-736 and/or L-1160, including anchor bolts & conduit bends and wires.	each	13	\$ 160.-	\$ 2,080.-
4.	Supply and install poles. a) 9.14 metre poles	each	6	\$ 390.-	\$ 2,340.-
	b) 7.62 metre poles	each	7	\$ 348.-	\$ 2,436.-
	c) 8.23 metre poles with distribution base as per Dwg. L 1149 or L 1167.	each	1	\$ 688.-	\$ 688.-

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<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
5.	Supply and install fuse and terminal block on each pole and wiring to each luminaire.	each	14	\$ 27.-	\$ 378.-
6.	Supply and install luminaires and lamps. a) 400 watt polycarbonate or wire guarded Mercury Vapour.	each	7	\$ 220.-	\$ 1540.-
	b) 250 watt polycarbonate or wire guarded Mercury Vapour.	each	7	\$ 187.-	\$ 1309.-
7.	Supply and install all wiring, conduit, panels, etc. as per Dwg. L-738 at service pole including photocell.	each	1	\$ 946.-	\$ 946.-
8.	Supply and install photocells on luminaires.	each	1	\$ 11.-	\$ 11.-
9.	Supply and install all wiring, conduit, enclosures, etc., for distribution bases as per Std. Drawing L-1149.	each	1	\$ 1012.-	\$ 1,012.-
TOTAL SECTION IV					\$ 23,769.-

Section V: MISCELLANEOUS AND CONTINGENCY WORK

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Contingency work payment to be made per Section 40, General Conditions.	Provisional	--	--	\$ 35,000
Sum					
TOTAL SECTION V					\$ 35,000.-

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CONTRACT #8311

GREYSTONE DRIVE CONNECTOR/SHELLMONT STREET

TENDER SUMMARY

Site Preparation	Section I	\$ 42,185.-
Roadworks	Section II	\$ 145,852.-
Storm Sewers	Section III	\$ 50,527.50
Street Lighting Appurtenances	Section IV	\$ 23,969.-
Miscellaneous and Contingency Work	Section V	\$ 35,000.00
	TOTAL TENDER	\$ 297,533.50

295,333.50

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TENDERER: Peden Const. and Eng Ltd.

*Attest: P. Peden (Signature)*