



# Department of Transportation

## Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3268

FAX: 605/773-6608

April 7, 2005

Dirk Jablonski  
Public Works Director  
300 6th St  
Rapid City SD 57701-2724

RE: Item 6 April 6, 2005 Letting  
ST03-1334 PCN X120 Pennington County  
Grading, C & G, Storm Sewer, Water, Sanitary Sewer, PCC Pavement, Pavement Marking,  
Roadway Lighting, Future Signals and Permanent Signing

Dear Mr. Nelson:

We are submitting one copy of the Abstract of Bids for the referenced project, which shows Heavy Constructors Inc, Rapid City, SD to be the low bidder of two (2) with a proposal of \$1,578,912.27.

The bid is \$322,646.14 or 17.0% below our Engineer's Estimate of \$1,901,558.41.

The Transportation Commission will be awarding your project at their regular meeting on April 22, 2004.  
Yours truly,

Monte R. Schneider  
Project Development Engineer

Encl.

CC: James Preston, Finance Officer



PROJECT NO.: ST03-1334

COUNTY: PENNINGTON (103) NON FEDERAL AID  
 EAST MALL DRIVE FR E NORTH ST TO  
 DYESS AVE IN RAPID CITY

GRDG, C&G, STORM SEWER, PCCP & ROADLIGHT  
 CONTRACT TIME: ON-BEF 07-28-06  
 LENGTH: 0.750 MILES

ITEMS	UNIT	APPROX. QUANTITY	HEAVY CONSTRUCTORS INC		STANLEY J JOHNSEN	
			RAPID CITY	SD	RAPID CITY	SD
001 Mobilization	LS	1.000	40,000.000	40,000.00	100,000.000	100,000.00
002 Construction Staking	LS	1.000	29,375.000	29,375.00	20,000.000	20,000.00
003 Clearing	LS	1.000	1,400.000	1,400.00	525.000	525.00
004 Remove Asphalt Concrete Pavement	SqYd	130.000	3.900	507.00	10.500	1,365.00
005 Remove Silt Fence	Ft	2030.000	0.020	40.60	0.010	20.30
006 Remove Fence for Reset	Ft	445.000	0.380	169.10	0.650	289.25
007 Unclassified Excavation	CuYd	59369.000	1.940	115,175.86	3.150	187,012.35
008 Unclassified Excavation, Digouts	CuYd	275.000	5.000	1,375.00	5.000	1,375.00
009 Muck Excavation	CuYd	1500.000	5.500	8,250.00	10.500	15,750.00
010 Undercutting	CuYd	1605.000	1.780	2,856.90	1.050	1,685.25
011 Water for Dust Control	MGal	150.000	15.600	2,340.00	13.650	2,047.50
012 Water for Embankment	MGal	370.000	11.500	4,255.00	11.500	4,255.00
013 Water for Vegetation	MGal	500.000	16.000	8,000.00	15.750	7,875.00
014 Placing Topsoil	CuYd	11753.000	2.000	23,506.00	1.600	18,804.80
015 Incidental Work	LS	1.000	11,230.000	11,230.00	26,250.000	26,250.00
016 Cold Milling Asphalt Concrete	SqYd	320.000	9.900	3,168.00	12.600	4,032.00
017 Excavate Common Utility Trench	Ft	2273.000	4.450	10,114.85	12.600	28,639.80
018 Controlled Density Fill	CuYd	25.000	62.850	1,571.25	130.000	3,250.00
019 Type 2 Right-of-Way Fence	Ft	4542.000	1.020	4,632.84	1.000	4,542.00
020 Type 2 Temporary Fence	Ft	4200.000	0.750	3,150.00	0.600	2,520.00
021 2 Post Panel	Each	36.000	75.000	2,700.00	95.000	3,420.00
022 3 Post Panel	Each	28.000	96.450	2,700.60	115.000	3,220.00
023 Reset Fence	Ft	445.000	0.700	311.50	1.050	467.25
024 2.0"x2.0" Perforated Tube Post	Ft	257.000	21.000	5,397.00	20.000	5,140.00
025 Flat Aluminum Sign, Nonremov. Copy High Intensity	SqFt	117.000	16.850	1,971.45	16.500	1,930.50
026 Cold Applied Plastic Pvmt Marking, 4"	Ft	5364.000	2.750	14,751.00	3.000	16,092.00
027 Cold Applied Plastic Pvmt Marking, 8"	Ft	352.000	5.350	1,883.20	5.500	1,936.00
028 Cold Applied Plastic Pvmt Marking, 12"	Ft	169.000	8.600	1,453.40	8.500	1,436.50
029 Cold Applied Plastic Pvmt Marking, 24"	Ft	40.000	13.950	558.00	14.000	560.00
030 Cold Applied Plastic Pvmt Marking, Arrow	Each	23.000	240.000	5,520.00	235.000	5,405.00
031 Pavement Marking Paint, Area	SqFt	190.000	2.150	408.50	2.100	399.00
032 Flagging	Hour	100.000	18.310	1,831.00	18.310	1,831.00
033 Traffic Control, Miscellaneous	LS	1.000	14,460.000	14,460.00	14,200.000	14,200.00
034 6" Underdrain Pipe	Ft	1735.000	6.000	10,410.00	11.550	20,039.25
035 Crushed Rock	Ton	20.000	15.220	304.40	52.500	1,050.00
036 Class B Riprap	CuYd	778.000	48.200	37,499.60	31.500	24,507.00
037 Permanent Seeding	Lb	1192.000	3.200	3,814.40	3.150	3,754.80
038 Fertilizing	Ton	1.200	750.000	900.00	735.000	882.00
039 Mulching	Ton	24.000	135.000	3,240.00	130.000	3,120.00
040 Erosion Control	LS	1.000	2,675.000	2,675.00	2,600.000	2,600.00
041 Erosion Bale	Each	60.000	21.450	1,287.00	21.000	1,260.00
042 High Flow Silt Fence	Ft	4064.000	4.300	17,475.20	4.200	17,068.80
043 Water Pollution Control	LS	1.000	2,675.000	2,675.00	2,600.000	2,600.00
044 Type B Drainage Fabric	SqYd	2142.000	2.100	4,498.20	3.150	6,747.30
045 AASHTO T-180 Soil Test	Each	10.000	175.000	1,750.00	155.000	1,550.00

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 DYESS AVE IN RAPID CITY

GRDG, C&G, STORM SEWER, PCCP & ROADLIGHT  
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ITEMS	UNIT	APPROX. QUANTITY		HEAVY CONSTRUCTORS INC		STANLEY J JOHNSEN	
		QUANTITY	RAPID CITY	QUANTITY	SD	RAPID CITY	SD
046 Remove Valve Box	Each	1.000	100.000	100.00	100.00	60.000	60.00
047 Remove Water Main	Ft	23.000	22.250	511.75		10.000	230.00
048 24" Steel Encasement Pipe	Ft	240.000	145.000	34,800.00		175.000	42,000.00
049 36" Steel Encasement Pipe	Ft	160.000	210.000	33,600.00		230.000	36,800.00
050 Pipe Encasement	Each	6.000	750.000	4,500.00		900.000	5,400.00
051 6" PVC Water Main	Ft	643.000	26.750	17,200.25		23.650	15,206.95
052 14" PVC Water Main	Ft	2335.000	38.900	90,831.50		36.250	84,643.75
053 Pipe Tee	Each	4.000	1,180.000	4,720.00		875.000	3,500.00
054 Pipe Cross	Each	4.000	1,725.000	6,900.00		1,575.000	6,300.00
055 14" Pipe Bend	Each	10.000	985.000	9,850.00		1,075.000	10,750.00
056 6" Pipe Plug	Each	1.000	295.000	295.00		150.000	150.00
057 14" Pipe Plug	Each	1.000	645.000	645.00		325.000	325.00
058 14" Gate Valve with Box	Each	7.000	8,200.000	57,400.00		7,665.000	53,655.00
059 Pipe Insulation	SqFt	162.000	3.500	567.00		3.150	510.30
060 Standard Fire Hydrant	Each	11.000	3,625.000	39,875.00		3,700.000	40,700.00
061 Type 1 Granular Backfill	Ton	150.000	19.000	2,850.00		13.900	2,085.00
062 Type 2 Foundation Material	Ton	150.000	19.170	2,875.50		15.500	2,325.00
063 Muck Excavation, Trench	CuYd	150.000	22.250	3,337.50		7.350	1,102.50
064 Test Station	Each	4.000	500.000	2,000.00		1,100.000	4,400.00
065 15" PVC Sewer Pipe	Ft	2389.000	18.600	44,435.40		31.000	74,059.00
066 15" Pipe Cap	Each	3.000	200.000	600.00		185.000	555.00
067 Trench 12' to 14' Deep	Ft	787.000	14.500	11,411.50		4.200	3,305.40
068 Trench 14' to 16' Deep	Ft	1602.000	16.700	26,753.40		5.250	8,410.50
069 48" Manhole	Each	6.000	2,000.000	12,000.00		2,675.000	16,050.00
070 72" Manhole	Each	1.000	5,000.000	5,000.00		5,880.000	5,880.00
071 Extra Depth for 48" Manhole	Ft	52.900	175.000	9,257.50		294.000	15,552.60
072 Extra Depth for 72" Manhole	Ft	7.200	360.000	2,592.00		504.000	3,628.80
073 18" RCP Class 3, Furnish	Ft	676.000	16.250	10,985.00		16.000	10,816.00
074 18" RCP, Install	Ft	676.000	12.250	8,281.00		20.000	13,520.00
075 24" RCP Class 3, Furnish	Ft	490.000	21.750	10,657.50		21.000	10,290.00
076 24" RCP, Install	Ft	490.000	13.350	6,541.50		20.000	9,800.00
077 30" RCP Class 2, Furnish	Ft	76.000	32.550	2,473.80		31.000	2,356.00
078 30" RCP, Install	Ft	76.000	13.350	1,014.60		21.000	1,596.00
079 36" RCP Class 2, Furnish	Ft	322.000	44.750	14,409.50		43.000	13,846.00
080 36" RCP, Install	Ft	322.000	13.350	4,298.70		21.000	6,762.00
081 60" RCP Class 2, Furnish	Ft	130.000	120.000	15,600.00		114.000	14,820.00
082 60" RCP, Install	Ft	130.000	20.000	2,600.00		25.000	3,250.00
083 RCP Tee, Furnish	Each	1.000	1,235.000	1,235.00		1,200.000	1,200.00
084 RCP Tee, Install	Each	1.000	280.000	280.00		155.000	155.00
085 30" RCP Flared End, Furnish	Each	2.000	500.000	1,000.00		475.000	950.00
086 30" RCP Flared End, Install	Each	2.000	200.000	400.00		155.000	310.00
087 60" RCP Flared End, Furnish	Each	2.000	1,175.000	2,350.00		1,150.000	2,300.00
088 60" RCP Flared End, Install	Each	2.000	500.000	1,000.00		265.000	530.00
089 48" RCP Arch Class 2, Furnish	Ft	256.000	105.000	26,880.00		98.000	25,088.00
090 48" RCP Arch, Install	Ft	256.000	22.250	5,696.00		25.000	6,400.00

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			RAPID CITY	SD	RAPID CITY	SD
091 48" RCP Arch Flared End, Furnish	Each	4.000	1,000.000	4,000.00	950.000	3,800.00
092 48" RCP Arch Flared End, Install	Each	4.000	390.000	1,560.00	265.000	1,060.00
093 2' x 3' Type B Drop Inlet	Each	6.000	1,565.000	9,390.00	1,200.000	7,200.00
094 3' x 4' Type B Drop Inlet	Each	4.000	1,645.000	6,580.00	1,600.000	6,400.00
095 4' x 4' Type B Drop Inlet	Each	1.000	1,725.000	1,725.00	2,400.000	2,400.00
096 4.5' x 10' Type S Drop Inlet	Each	1.000	4,430.000	4,430.00	6,000.000	6,000.00
097 Base Course	Ton	1173.000	11.000	12,903.00	11.550	13,548.15
098 Gravel Cushion	Ton	2821.000	11.000	31,031.00	11.550	32,582.55
099 Asphalt Concrete Composite	Ton	410.000	50.000	20,500.00	49.500	20,295.00
100 10" Nonreinforced PCC Pavement	SqYd	7575.000	24.000	181,800.00	30.000	227,250.00
101 Dowel Bar	Each	3500.000	6.000	21,000.00	6.750	23,625.00
102 Insert Steel Bar in PCC Pavement	Each	20.000	11.400	228.00	15.000	300.00
103 Type B66 Concrete Curb and Gutter	Ft	460.000	9.250	4,255.00	11.500	5,290.00
104 Type B610 Concrete Curb and Gutter	Ft	3771.500	12.700	47,898.05	9.500	35,829.25
105 4" Concrete Sidewalk	SqFt	20851.000	2.700	56,297.70	3.250	67,765.75
106 Breakaway Base Luminaire Pole with Arm, 50' Mt Height	Each	11.000	2,015.000	22,165.00	2,000.000	22,000.00
107 Signal Pole with 65' Mast Arm and Luminaire Arm	Each	4.000	8,200.000	32,800.00	8,000.000	32,000.00
108 Galvanized Steel Utility Pole	Each	2.000	265.000	530.00	260.000	520.00
109 Roadway Luminaire, 400 Watt with Photoelectric Cell	Each	15.000	280.000	4,200.00	275.000	4,125.00
110 2' Diameter Footing	Ft	110.000	53.600	5,896.00	52.500	5,775.00
111 3' Diameter Footing	Ft	64.000	98.600	6,310.40	96.600	6,182.40
112 18" Diameter Junction Box	Each	27.000	430.000	11,610.00	420.000	11,340.00
113 24" Diameter Junction Box	Each	9.000	535.000	4,815.00	525.000	4,725.00
114 Electrical Service Cabinet	Each	2.000	1,000.000	2,000.00	1,000.000	2,000.00
115 Meter Socket	Each	2.000	160.000	320.00	155.000	310.00
116 Preformed Detector Loop	Each	22.000	185.000	4,070.00	185.000	4,070.00
117 Furnish Roadway Luminaire, 400W with Photoelectric Cell	Each	2.000	270.000	540.00	265.000	530.00
118 Furnish Controller Cabinet	Each	2.000	9,875.000	19,750.00	9,700.000	19,400.00
119 Furnish Traffic Signal Controller	Each	2.000	2,892.000	5,784.00	2,835.000	5,670.00
120 Furnish Pedestrian Push Button	Each	8.000	130.000	1,040.00	125.000	1,000.00
121 Furnish Signal Pole with Mast Arm and Luminaire Arm	Each	4.000	7,285.000	29,140.00	7,140.000	28,560.00
122 Furnish 3 Section Vehicle Signal Head	Each	23.000	630.000	14,490.00	620.000	14,260.00
123 Furnish 5 Section Vehicle Signal Head	Each	16.000	1,070.000	17,120.00	1,050.000	16,800.00
124 Furnish Pedestrian Signal Head	Each	16.000	460.000	7,360.00	450.000	7,200.00
125 2" Rigid Conduit, Schedule 40	Ft	5176.000	2.400	12,422.40	2.350	12,163.60
126 2" Rigid Conduit, Schedule 80	Ft	1501.000	4.120	6,184.12	4.050	6,079.05
127 3" Rigid Conduit, Schedule 80	Ft	90.000	5.360	482.40	5.250	472.50
128 4" Rigid Conduit, Schedule 80	Ft	560.000	6.750	3,780.00	6.750	3,780.00
129 1/C #3 AWG Copper Wire	Ft	1195.000	0.860	1,027.70	0.850	1,015.75
130 1/C #6 AWG Copper Wire	Ft	9946.000	0.480	4,774.08	0.500	4,973.00
131 1/C #10 AWG Copper Wire	Ft	7159.000	0.210	1,503.39	0.210	1,503.39
132 2/C #10 AWG Copper Pole and Bracket Cable	Ft	904.000	1.070	967.28	1.050	949.20
133 Furnish Miscellaneous Electrical Items	LS	1.000	1,070.000	1,070.00	1,050.000	1,050.00
134 Bank and Channel Protection Gabion	CuYd	6.000	160.000	960.00	155.000	930.00
TOTAL BID				1,578,912.27		1,805,758.04