

PROJECT: **Swords Park Trail II**
 S.S. PROJECT NO.: **05025.02**

BID DATE: **July 12, 2011**
 BID TIME: **2:00 PM MDT**

Engineer's Estimate

Knife River

CMG Construction, Inc.

Hardrives Construction, Inc.

ITEM NO.	EST. QTY.	Unit	DESCRIPTION	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$
SCHEDULE I -SWORDS PARK TRAIL II											
101	1	LS	Mobilization and Insurance	\$25,524.83 / LS =	25,524.83	26,000.00 / LS =	26,000.00	30,000.00 / LS =	30,000.00	2,831.92 / LS =	2,831.92
102	1	LS	Traffic Control During Construction	\$5,000.00 / LS =	5,000.00	10,070.00 / LS =	10,070.00	4,000.00 / LS =	4,000.00	3,632.77 / LS =	3,632.77
103	1	LS	Stormwater Management and Erosion Control	\$10,000.00 / LS =	10,000.00	15,000.00 / LS =	15,000.00	25,000.00 / LS =	25,000.00	10,962.39 / LS =	10,962.39
104	4,860	SY	Erosion Control Blanket	\$3.50 / SY =	17,010.00	3.40 / SY =	16,524.00	3.00 / SY =	14,580.00	2.91 / SY =	14,142.60
105	3,045	SY	Hydro Mulch	\$5.00 / SY =	15,225.00	0.52 / SY =	1,583.40	0.40 / SY =	1,218.00	12.06 / SY =	36,722.70
106	6,907	SY	Remove Existing Asphalt	\$4.00 / SY =	27,628.00	2.60 / SY =	17,958.20	5.00 / SY =	34,535.00	2.63 / SY =	18,165.41
107	61	SY	Remove Existing Bike Path	\$10.00 / SY =	610.00	3.00 / SY =	183.00	5.00 / SY =	305.00	31.51 / SY =	1,922.11
108	1	LS	Remove Existing Guard Rail	\$2,500.00 / LS =	2,500.00	2,500.00 / LS =	2,500.00	3,500.00 / LS =	3,500.00	3,327.33 / LS =	3,327.33
109	5	EA	Remove Existing Trees	\$1,000.00 / EA =	5,000.00	550.00 / EA =	2,750.00	500.00 / EA =	2,500.00	870.97 / EA =	4,354.85
110	1	LS	Sawcut Existing Trail	\$1,000.00 / LS =	1,000.00	250.00 / LS =	250.00	500.00 / LS =	500.00	293.14 / LS =	293.14
111	1	LS	Sawcut Existing Road	\$2,500.00 / LS =	2,500.00	1,500.00 / LS =	1,500.00	800.00 / LS =	800.00	293.14 / LS =	293.14
112	2,419	CY	Unclassified Excavation	\$7.50 / CY =	18,142.50	16.50 / CY =	39,913.50	12.00 / CY =	29,028.00	39.15 / CY =	94,703.85
113	6,062	SY	Asphalt Trail (3-inch)	\$13.00 / SY =	78,806.00	11.90 / SY =	72,137.80	17.00 / SY =	103,054.00	18.62 / SY =	112,874.44
114	767	CY	1 1/2 Base Course Gravel	\$24.00 / CY =	18,408.00	48.00 / CY =	36,816.00	35.00 / CY =	26,845.00	43.51 / CY =	33,372.17
115	236	SF	Concrete Trail (6-inches Thick)	\$8.00 / SF =	1,888.00	5.80 / SF =	1,368.80	8.00 / SF =	1,888.00	13.32 / SF =	3,143.52
116	722	SF	Concrete Trail (5-inch Thick)	\$6.00 / SF =	4,332.00	5.70 / SF =	4,115.40	8.00 / SF =	5,776.00	12.26 / SF =	8,851.72
117	19	EA	2x2-foot Pre-Cast Truncated Dome Panel	\$225.00 / EA =	4,275.00	120.00 / EA =	2,280.00	140.00 / EA =	2,660.00	156.21 / EA =	2,967.99
118	1	LS	Remove Existing Post and Cable Fence	\$5,000.00 / LS =	5,000.00	2,900.00 / LS =	2,900.00	2,500.00 / LS =	2,500.00	2,410.74 / LS =	2,410.74
119	1	LS	Relocated Rock Vehicle Barrier	\$25,000.00 / LS =	25,000.00	18,200.00 / LS =	18,200.00	9,000.00 / LS =	9,000.00	11,481.95 / LS =	11,481.95

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ITEM NO.	EST. QTY.	Unit	DESCRIPTION	Engineer's Estimate		Knife River		CMG Construction, Inc.		Hardrives Construction, Inc.	
				UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$
120	17	EA	Trail and Traffic Sign with Post	\$750.00 / EA =	12,750.00	310.00 / EA =	5,270.00	450.00 / EA =	7,650.00	704.98 / EA =	11,984.66
121	9	EA	Way Finding Sign with Post	\$2,000.00 / EA =	18,000.00	740.00 / EA =	6,660.00	720.00 / EA =	6,480.00	1,111.65 / EA =	10,004.85
122	9	EA	Remove Existing Sign and Post	\$350.00 / EA =	3,150.00	62.00 / EA =	558.00	100.00 / EA =	900.00	128.46 / EA =	1,156.14
123	1	EA	Remove Road Closed Barricade	\$750.00 / EA =	750.00	150.00 / EA =	150.00	150.00 / EA =	150.00	393.81 / EA =	393.81
124	1	EA	Flexible Delineator	\$1,000.00 / EA =	1,000.00	55.00 / EA =	55.00	120.00 / EA =	120.00	331.50 / EA =	331.50
125	4	EA	Steel Bollard Delineator	\$2,500.00 / EA =	10,000.00	675.00 / EA =	2,700.00	900.00 / EA =	3,600.00	1,642.77 / EA =	6,571.08
126	1	LS	Yellow Epoxy Paint	\$3,000.00 / LS =	3,000.00	6,000.00 / LS =	6,000.00	7,000.00 / LS =	7,000.00	3,136.72 / LS =	3,136.72
127	737	SF	Limestone/Sandstone Retaining Wall	\$75.00 / SF =	55,275.00	26.00 / SF =	19,162.00	50.00 / SF =	36,850.00	19.09 / SF =	14,069.33
128	213	SF	Limestone Dry Stack Wall	\$75.00 / SF =	15,975.00	26.00 / SF =	5,538.00	55.00 / SF =	11,715.00	45.83 / SF =	9,761.79
129	7,905	SY	Seeding and Establishment of Grass	\$6.00 / SY =	47,430.00	3.00 / SY =	23,715.00	3.00 / SY =	23,715.00	3.16 / SY =	24,979.80
130	300	CY	Imported Topsoil Backfill (If Required by Engineer)	\$50.00 / CY =	15,000.00	32.00 / CY =	9,600.00	30.00 / CY =	9,000.00	37.47 / CY =	11,241.00
131	1	LS	Ledge Stone Rock Structure	\$75,000.00 / LS =	75,000.00	170,000.00 / LS =	170,000.00	140,000.00 / LS =	140,000.00	126,786.20 / LS =	126,786.20
132	155	CY	Class I MDT Rip Rap	\$50.00 / CY =	7,750.00	135.00 / CY =	20,925.00	125.00 / CY =	19,375.00	110.06 / CY =	17,059.30
133	307	SY	Geotex 601 Geotextile Fabric	\$6.00 / SY =	1,842.00	3.80 / SY =	1,166.60	4.00 / SY =	1,228.00	7.70 / SY =	2,363.90
134	1	LS	Clear Off Rock Ledge	\$500.00 / LS =	500.00	380.00 / LS =	380.00	2,000.00 / LS =	2,000.00	9,064.42 / LS =	9,064.42
135	5	EA	Relocated Rock with Flat Top for Informal Seating	\$150.00 / EA =	750.00	540.00 / EA =	2,700.00	400.00 / EA =	2,000.00	1,276.26 / EA =	6,381.30
136	1	EA	Mile Marker Sign and Post	\$500.00 / EA =	500.00	590.00 / EA =	590.00	600.00 / EA =	600.00	975.85 / EA =	975.85
TOTAL FOR SCHEDULE I - SWORDS PARK TRAIL II					\$536,521.33		\$547,219.70		\$570,072.00		\$622,716.39

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SCHEDULE I- ALTERNATE NO. ONE											
5-Inch Thick Concrete Trail Instead of Asphalt Trail											
ALT1-112A	2,743	CY	Unclassified Excavation	\$7.50 / CY =	20,572.50	16.50 / CY =	45,259.50	12.00 / CY =	32,916.00	32.91 / CY =	90,272.13
ALT1-113A	54,556	SF	Concrete Trail (5-inch Thick)	\$5.00 / SF =	272,780.00	3.60 / SF =	196,401.60	4.50 / SF =	245,502.00	7.55 / SF =	411,897.80
TOTAL FOR SCHEDULE I- ALTERNATE NO. 1					\$293,352.50		\$241,661.10		\$278,418.00		\$502,169.93
SCHEDULE I- ADDITIVE NO. 1											
I & E Sign, Bench and Concrete Bulb Out at Spprox. Station 5+00											
ADD1-1	3	CY	Unclassified Excavation	\$7.50 / CY =	22.50	60.00 / CY =	180.00	100.00 / CY =	300.00	60.00 / CY =	180.00
ADD1-2	72	SF	Concrete Trail (5-inch Thick)	\$5.00 / SF =	360.00	8.50 / SF =	612.00	10.00 / SF =	720.00	15.50 / SF =	1,116.00
ADD1-3	1	EA	I&E Sign and Framework Complete	\$3,000.00 / EA =	3,000.00	1,415.00 / EA =	1,415.00	2,200.00 / EA =	2,200.00	1,978.65 / EA =	1,978.65
ADD1-4	1	EA	Bench	\$1,000.00 / EA =	1,000.00	2,250.00 / EA =	2,250.00	1,500.00 / EA =	1,500.00	488.00 / EA =	488.00
TOTAL FOR SCHEDULE I- ADDITIVE NO. 1					\$4,382.50		\$4,457.00		\$4,720.00		\$3,762.65
SCHEDULE I- ADDITIVE NO. TWO											
I & E Sign, Bench and Concrete Bulb Out at Spprox. Station 17+50											
ADD2-1	7	CY	Unclassified Excavation	\$7.50 / CY =	52.50	50.00 / CY =	350.00	100.00 / CY =	700.00	75.50 / CY =	528.50
ADD2-2	106	SF	Croncrete Trail (5-inch thick)	\$5.00 / SF =	530.00	8.50 / SF =	901.00	10.00 / SF =	1,060.00	10.58 / SF =	1,121.48
ADD2-3	1	EA	I&E Sign and Framework Complete	\$3,000.00 / EA =	3,000.00	1,415.00 / EA =	1,415.00	2,200.00 / EA =	2,200.00	1,972.47 / EA =	1,972.47
ADD2-4	1	EA	Bench	\$1,000.00 / EA =	1,000.00	2,250.00 / EA =	2,250.00	1,500.00 / EA =	1,500.00	488.00 / EA =	488.00
TOTAL FOR SCHEDULE I - ADDITIVE NO. TWO					\$4,582.50		\$4,916.00		\$5,460.00		\$4,110.45

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SCHEDULE I -ADDITIVE NO. THREE											
I & E Sign, Bench and Concrete Bulb Out at Spprox. Station 29+25											
ADD3-1	2	CY	Unclassified Excavation	\$7.50 / CY =	15.00	65.00 / CY =	130.00	100.00 / CY =	200.00	106.00 / CY =	212.00
ADD3-2	73	SF	Concrete Trail (5-inch Thick)	\$5.00 / SF =	365.00	8.50 / SF =	620.50	10.00 / SF =	730.00	12.60 / SF =	919.80
ADD3-3	1	EA	I&E Sign and Framework Complete	\$3,000.00 / EA =	3,000.00	1,415.00 / EA =	1,415.00	2,200.00 / EA =	2,200.00	1,983.32 / EA =	1,983.32
ADD3-4	1	EA	Bench	\$1,000.00 / EA =	1,000.00	2,250.00 / EA =	2,250.00	1,500.00 / EA =	1,500.00	488.00 / EA =	488.00
TOTAL FOR SCHEDULE I -ADDITIVE NO. THREE					\$4,380.00		\$4,415.50		\$4,630.00		\$3,603.12
SCHEDULE I -ADDITIVE NO. FOUR											
I & E Sign near Yellowstone Kelly's Grave											
ADD4-1	1	EA	I&E Sign and Framework Complete	\$3,000.00 / EA =	3,000.00	1,415.00 / EA =	1,415.00	2,200.00 / EA =	2,200.00	1,888.39 / EA =	1,888.39
TOTAL FOR SCHEDULE I - ADDITIVE NO. FOUR					\$3,000.00		\$1,415.00		\$2,200.00		\$1,888.39
SCHEDULE I -ADDITIVE NO. FIVE											
Trees and Shrubs Between the Trail and Airport Road											
ADD5-1	25	EA	Trees and Shrubs	\$500.00 / EA =	12,500.00	260.00 / EA =	6,500.00	350.00 / EA =	8,750.00	384.87 / EA =	9,621.75
TOTAL FOR SCHEDULE I - ADDITIVE NO. FIVE					\$12,500.00		\$6,500.00		\$8,750.00		\$9,621.75

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SCHEDULE I -ADDITIVE NO. SIX											
Salvage, Repair and Place Fallen Rock Cairns											
ADD6-1	6	EA	Salvage, Repair and Placement of Fallen Rock Cairns	\$5,000.00 / EA =	30,000.00	600.00 / EA =	3,600.00	1,000.00 / EA =	6,000.00	402.00 / EA =	2,412.00
TOTAL FOR SCHEDULE I - ADDITIVE NO. SIX					\$30,000.00		\$3,600.00		\$6,000.00		\$2,412.00

SCHEDULE II -ADDITIVE NO. SEVEN											
Trail North of Alkali Creek Road											
ADD7-1	1	LS	Mobilization and Insurance	\$5,813.06 / LS =	5,813.06	2,450.00 / LS =	2,450.00	4,000.00 / LS =	4,000.00	2,096.07 / LS =	2,096.07
ADD7-2	1	LS	Traffic Control During Construction	\$7,500.00 / LS =	7,500.00	4,230.00 / LS =	4,230.00	1,250.00 / LS =	1,250.00	930.00 / LS =	930.00
ADD7-3	1	LS	Stormwater Management and Erosion Control	\$5,000.00 / LS =	5,000.00	3,300.00 / LS =	3,300.00	4,000.00 / LS =	4,000.00	2,470.00 / LS =	2,470.00
ADD7-4	1,185	SY	Erosion Control Blanket	\$3.50 / SY =	4,147.50	3.40 / SY =	4,029.00	3.00 / SY =	3,555.00	3.50 / SY =	4,147.50
ADD7-5	460	SY	Hydro Mulch	\$5.00 / SY =	2,300.00	0.52 / SY =	239.20	0.40 / SY =	184.00	11.80 / SY =	5,428.00
ADD7-6	140	CY	Unclassified Excavation	\$7.50 / CY =	1,050.00	28.00 / CY =	3,920.00	14.00 / CY =	1,960.00	50.00 / CY =	7,000.00
ADD7-7	384	SY	Asphalt Trail (3-inch)	\$13.00 / SY =	4,992.00	12.75 / SY =	4,896.00	18.00 / SY =	6,912.00	23.50 / SY =	9,024.00
ADD7-8	54	CY	1 1/2-inch Base Course Gravel	\$24.00 / CY =	1,296.00	50.00 / CY =	2,700.00	35.00 / CY =	1,890.00	74.40 / CY =	4,017.60
ADD7-9	480	SF	Concrete Trail (5-inches Thick)	\$6.00 / SF =	2,880.00	5.55 / SF =	2,664.00	8.00 / SF =	3,840.00	13.05 / SF =	6,264.00
ADD7-10	1	LS	Sawcut Existing Trail	\$500.00 / LS =	500.00	250.00 / LS =	250.00	500.00 / LS =	500.00	364.00 / LS =	364.00
ADD7-11	1	LS	Sediment Depression	\$2,500.00 / LS =	2,500.00	400.00 / LS =	400.00	500.00 / LS =	500.00	440.00 / LS =	440.00
ADD7-12	1	EA	Type IV Inlet w/Beehive Grate	\$2,000.00 / EA =	2,000.00	1,800.00 / EA =	1,800.00	2,700.00 / EA =	2,700.00	4,875.00 / EA =	4,875.00
ADD7-13	24	LF	24-inch Class III RCP Culvert Pipe	\$120.00 / LF =	2,880.00	76.00 / LF =	1,824.00	80.00 / LF =	1,920.00	100.00 / LF =	2,400.00
ADD7-14	1	EA	24-inch RCP FET	\$1,200.00 / EA =	1,200.00	560.00 / EA =	560.00	1,000.00 / EA =	1,000.00	1,235.00 / EA =	1,235.00

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ADD7-15	7	CY	Class I MDT Riprap	\$50.00 / CY =	350.00	180.00 / CY =	1,260.00	125.00 / CY =	875.00	273.00 / CY =	1,911.00
ADD7-16	7	SY	Geotex 601 Geotextile Fabric	\$6.00 / SY =	42.00	35.00 / SY =	245.00	14.00 / SY =	98.00	15.40 / SY =	107.80
ADD7-17	2	EA	Way Finding Sign with Post	\$2,000.00 / EA =	4,000.00	550.00 / EA =	1,100.00	700.00 / EA =	1,400.00	848.00 / EA =	1,696.00
ADD7-18	1,645	SY	Seeding and Establishment of Grass	\$6.00 / SY =	9,870.00	3.00 / SY =	4,935.00	3.00 / SY =	4,935.00	3.16 / SY =	5,198.20
ADD7-19	1	LS	Reshape Existing Dirt Pile	\$15,000.00 / LS =	15,000.00	2,300.00 / LS =	2,300.00	1,000.00 / LS =	1,000.00	6,375.00 / LS =	6,375.00
ADD7-20	1	LS	New Berms Near Alkali Creek Road	\$10,000.00 / LS =	10,000.00	5,800.00 / LS =	5,800.00	1,600.00 / LS =	1,600.00	2,795.00 / LS =	2,795.00
ADD7-21	2	EA	Flexible Delineators	\$500.00 / EA =	1,000.00	55.00 / EA =	110.00	200.00 / EA =	400.00	166.56 / EA =	333.12
TOTAL FOR SCHEDULE II- ADDITIVE NO. SEVEN					\$84,320.56		\$49,012.20		\$44,519.00		\$69,107.29
SCHEDULE II -ADDITIVE ALTERNATE NO. ONE											
5-Inch Thick Concrete Trail Instead of Asphalt Trail											
ADD7-ALT1-6A	161	CY	Unclassified Excavation	\$7.50 / CY =	1,207.50	28.00 / CY =	4,508.00	10.00 / CY =	1,610.00	44.34 / CY =	7,138.74
ADD7-ALT1-7A	3,456	SF	Concrete Trail (5-inches Thick)	\$5.00 / SF =	17,280.00	3.80 / SF =	13,132.80	10.00 / SF =	34,560.00	8.00 / SF =	27,648.00
TOTAL FOR SCHEDULE II- ADDITIVE ALTERNATE NO. ONE					\$18,487.50		\$17,640.80		\$36,170.00		\$34,786.74