

**BID TABULATION SUMMARY SHEET**

8/14/2018

Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
<b>SCHEDULE A - OREGON HILL ROAD</b>									
1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$12,165.00	\$12,165.00	\$20,000.00	\$20,000.00
2	CONSTRUCTION STAKING	LS	1	6,000.00	\$6,000.00	6,400.00	\$6,400.00	11,000.00	\$11,000.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,800.00	\$1,800.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	3,300.00	\$3,300.00
5	CONSTRUCTION AREA SIGNS	LS	1	15,000.00	\$15,000.00	21,700.00	\$21,700.00	26,000.00	\$26,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	30,000.00	\$30,000.00	25,000.00	\$25,000.00	33,000.00	\$33,000.00
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	3,000.00	\$3,000.00
8	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	700.00	\$700.00
9	TEMPORARY EROSION CONTROL	LS	1	9,072.00	\$9,072.00	10,000.00	\$10,000.00	6,800.00	\$6,800.00
10	CLEARING AND GRUBBING	LS	1	17,000.00	\$17,000.00	25,000.00	\$25,000.00	31,000.00	\$31,000.00
11	ROADWAY EXCAVATION	CY	4543	60.00	\$272,580.00	70.00	\$318,010.00	65.00	\$295,295.00
12	IMPORTED BORROW	CY	3000	50.00	\$150,000.00	65.00	\$195,000.00	99.00	\$297,000.00
13	SUBGRADE ENHANCEMENT GEOGRID	SQYD	406	8.00	\$3,248.00	10.00	\$4,060.00	10.00	\$4,060.00
14	FURNISH TIRE DERIVED AGGREGATE (TDA)	TON	1,130	75.00	\$84,750.00	100.00	\$113,000.00	142.00	\$160,460.00
15	PLACE TIRE DERIVED AGGREGATE (TDA)	TON	1,130	42.00	\$47,460.00	50.00	\$56,500.00	50.00	\$56,500.00
16	FILTER FABRIC (TDA)	SQYD	1638	1.75	\$2,866.50	15.00	\$24,570.00	5.00	\$8,190.00
17	FIBER ROLLS	LF	528	5.50	\$2,904.00	5.75	\$3,036.00	6.00	\$3,168.00
18	HYDROSEED	SQFT	6960	0.40	\$2,784.00	0.60	\$4,176.00	0.50	\$3,480.00
19	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,100.00	\$3,100.00
20	CLASS 2 AGGREGATE BASE	TON	226	88.00	\$19,888.00	100.00	\$22,600.00	70.00	\$15,820.00
21	HOT MIX ASPHALT (TYPE A)	TON	70	350.00	\$24,500.00	500.00	\$35,000.00	400.00	\$28,000.00
22	6" ALTERNATIVE PIPE CULVERT	LF	28	45.00	\$1,260.00	200.00	\$5,600.00	240.00	\$6,720.00
23	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	330	55.00	\$18,150.00	90.00	\$29,700.00	80.00	\$26,400.00
24	ROCK SLOPE PROTECTION (LIGHT, METHOD B) (CY)	CY	2.3	250.00	\$575.00	1,800.00	\$4,140.00	1,100.00	\$2,530.00
25	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	3	7.50	\$22.50	70.00	\$210.00	1,400.00	\$4,200.00
26	COBBLE-LINED DITCH	LF	171	30.00	\$5,130.00	65.00	\$11,115.00	45.00	\$7,695.00
27	MARKER CULVERT (TYPE L-2)	EA	2	200.00	\$400.00	50.00	\$100.00	600.00	\$1,200.00
28	MOBILIZATION	LS	1	70,000.00	\$70,000.00	35,000.00	\$35,000.00	30,000.00	\$30,000.00
<b>TOTAL</b>					<b>\$808,592.00</b>		<b>\$973,232.00</b>		<b>\$1,090,418.00</b>

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8/14/2018

Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total

**SCHEDULE B - INDIANA RANCH ROAD**

1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$10,760.00	\$10,760.00	\$10,000.00	\$10,000.00
2	CONSTRUCTION STAKING	LS	1	5,000.00	\$5,000.00	6,975.00	\$6,975.00	12,000.00	\$12,000.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,800.00	\$1,800.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	2,000.00	\$2,000.00
5	CONSTRUCTION AREA SIGNS	LS	1	10,000.00	\$10,000.00	11,500.00	\$11,500.00	13,000.00	\$13,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	25,000.00	\$25,000.00	15,000.00	\$15,000.00	33,000.00	\$33,000.00
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	3,000.00	\$3,000.00
8	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	700.00	\$700.00
9	TEMPORARY EROSION CONTROL	LS	1	9,072.00	\$9,072.00	10,000.00	\$10,000.00	4,000.00	\$4,000.00
10	TEMPORARY HIGH VISIBILITY FENCE (TYPE ESA)	LF	170	5.00	\$850.00	25.00	\$4,250.00	13.00	\$2,210.00
11	CLEARING AND GRUBBING	LS	1	17,000.00	\$17,000.00	10,000.00	\$10,000.00	23,000.00	\$23,000.00
12	ROADWAY EXCAVATION	CY	530	60.00	\$31,800.00	140.00	\$74,200.00	143.00	\$75,790.00
13	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	CY	99	150.00	\$14,850.00	375.00	\$37,125.00	265.00	\$26,235.00
14	STRUCTURE BACKFILL (SOLDIER PILE WALL)	CY	44	200.00	\$8,800.00	1,150.00	\$50,600.00	950.00	\$41,800.00
15	IMPORTED BORROW	CY	132	50.00	\$6,600.00	195.00	\$25,740.00	243.00	\$32,076.00
16	SUBGRADE ENHANCEMENT GEOGRID	SQYD	250	8.00	\$2,000.00	18.00	\$4,500.00	16.00	\$4,000.00
17	FURNISH TIRE DERIVED AGGREGATE (TDA)	TON	317	75.00	\$23,775.00	95.00	\$30,115.00	142.00	\$45,014.00
18	PLACE TIRE DERIVED AGGREGATE (TDA)	TON	317	42.00	\$13,314.00	50.00	\$15,850.00	56.00	\$17,752.00
19	FILTER FABRIC (TDA)	SQYD	624	1.75	\$1,092.00	14.00	\$8,736.00	7.00	\$4,368.00
20	FIBER ROLLS	LF	183	5.50	\$1,006.50	8.53	\$1,560.99	10.00	\$1,830.00
21	HYDROSEED	SQFT	2293	0.40	\$917.20	1.50	\$3,439.50	1.00	\$2,293.00
22	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,000.00	\$3,000.00
23	CLASS 2 AGGREGATE BASE	TON	190	88.00	\$16,720.00	125.00	\$23,750.00	72.00	\$13,680.00
24	SHEETING AND SHORING	LS	1	2,000.00	\$2,000.00	5,000.00	\$5,000.00	24,000.00	\$24,000.00
25	STEEL SOLDIER PILE (W 18 X 119 )	LF	701	125.00	\$87,625.00	90.00	\$63,090.00	250.00	\$175,250.00
26	30" DRILLED HOLE	LF	606	250.00	\$151,500.00	91.00	\$55,146.00	530.00	\$321,180.00
27	STRUCTURAL CONCRETE	CY	73	1,800.00	\$131,400.00	200.00	\$14,600.00	586.00	\$42,778.00
28	TYPE G1 DRAINAGE INLET	EA	1	4,500.00	\$4,500.00	7,000.00	\$7,000.00	9,790.00	\$9,790.00
29	TIMBER LAGGING	MFBM	8	3,500.00	\$28,000.00	4,125.00	\$33,000.00	5,950.00	\$47,600.00
30	CLEAN AND PAINT STEEL SOLDIER PILING	LS	1	35,050.00	\$35,050.00	10,500.00	\$10,500.00	47,000.00	\$47,000.00

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Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
31	18" CORRUGATED STEEL PIPE (.109" THICK)	LF	24	250.00	\$6,000.00	450.00	\$10,800.00	700.00	\$16,800.00
32	REMOVE DRAINAGE FACILITY (LS)	LS	1	2,500.00	\$2,500.00	5,500.00	\$5,500.00	10,000.00	\$10,000.00
33	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	11	250.00	\$2,750.00	550.00	\$6,050.00	900.00	\$9,900.00
34	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	34	7.50	\$255.00	6.00	\$204.00	75.00	\$2,550.00
35	MARKER CULVERT (TYPE L-2)	EA	2	200.00	\$400.00	50.00	\$100.00	600.00	\$1,200.00
36	OBJECT MARKER (TYPE P)	EA	2	85.00	\$170.00	175.00	\$350.00	600.00	\$1,200.00
37	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	88	65.00	\$5,720.00	50.00	\$4,400.00	102.00	\$8,976.00
38	CABLE RAILING	LF	108	75.00	\$8,100.00	40.00	\$4,320.00	70.00	\$7,560.00
39	END CAP (TYPE A)	EA	2	350.00	\$700.00	100.00	\$200.00	300.00	\$600.00
40	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2	5,000.00	\$10,000.00	900.00	\$1,800.00	2,500.00	\$5,000.00
41	MOBILIZATION	LS	1	67,000.00	\$67,000.00	115,000.00	\$115,000.00	20,000.00	\$20,000.00
<b>TOTAL</b>					<b>\$756,468.70</b>		<b>\$692,311.49</b>		<b>\$1,123,932.00</b>

**SCHEDULE C - FOUNTAIN HOUSE ROAD**

1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$13,260.00	\$13,260.00	\$28,000.00	\$28,000.00
2	CONSTRUCTION STAKING	LS	1	5,000.00	\$5,000.00	5,875.00	\$5,875.00	10,000.00	\$10,000.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,500.00	\$1,500.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	2,000.00	\$2,000.00
5	CONSTRUCTION AREA SIGNS	LS	1	10,000.00	\$10,000.00	6,200.00	\$6,200.00	7,000.00	\$7,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	30,000.00	\$30,000.00	90,000.00	\$90,000.00	4,400.00	\$4,400.00
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	3,000.00	\$3,000.00
8	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	700.00	\$700.00
9	TEMPORARY EROSION CONTROL	LS	1	9,072.00	\$9,072.00	5,000.00	\$5,000.00	9,000.00	\$9,000.00
10	CLEARING AND GRUBBING	LS	1	17,000.00	\$17,000.00	25,000.00	\$25,000.00	40,000.00	\$40,000.00
11	ROADWAY EXCAVATION	CY	8723	60.00	\$523,380.00	70.00	\$610,610.00	76.00	\$662,948.00
12	IMPORTED BORROW (CY)	CY	6790	50.00	\$339,500.00	70.00	\$475,300.00	110.00	\$746,900.00
13	SUBGRADE ENHANCEMENT GEOGRID	SQYD	267	8.00	\$2,136.00	13.00	\$3,471.00	15.00	\$4,005.00
14	FURNISH TIRE DERIVED AGGREGATE (TDA)	TON	1791	75.00	\$134,325.00	100.00	\$179,100.00	130.00	\$232,830.00
15	PLACE TIRE DERIVED AGGREGATE (TDA)	TON	1791	42.00	\$75,222.00	50.00	\$89,550.00	57.00	\$102,087.00
16	FILTER FABRIC (TDA)	SQYD	2376	1.75	\$4,158.00	15.00	\$35,640.00	6.00	\$14,256.00
17	FIBER ROLLS	LF	631	5.50	\$3,470.50	4.49	\$2,833.19	5.00	\$3,155.00
18	HYDROSEED	SQFT	11200	0.40	\$4,480.00	0.50	\$5,600.00	0.50	\$5,600.00
19	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,000.00	\$3,000.00

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Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
20	CLASS 2 AGGREGATE BASE	TON	169	88.00	\$14,872.00	135.00	\$22,815.00	100.00	\$16,900.00
21	6" ALTERNATIVE PIPE CULVERT	LF	45	45.00	\$2,025.00	150.00	\$6,750.00	200.00	\$9,000.00
22	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	98	55.00	\$5,390.00	100.00	\$9,800.00	120.00	\$11,760.00
23	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	2.3	250.00	\$575.00	2,100.00	\$4,830.00	2,100.00	\$4,830.00
24	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	3	7.50	\$22.50	70.00	\$210.00	1,800.00	\$5,400.00
25	COBBLE-LINED DITCH	LF	178	30.00	\$5,340.00	65.00	\$11,570.00	62.00	\$11,036.00
26	OBJECT MARKER (TYPE P)	EA	2	85.00	\$170.00	175.00	\$350.00	600.00	\$1,200.00
27	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	112	65.00	\$7,280.00	50.00	\$5,600.00	85.00	\$9,520.00
28	END CAP (TYPE A)	EA	2	350.00	\$700.00	100.00	\$200.00	1,300.00	\$2,600.00
29	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2	5,000.00	\$10,000.00	900.00	\$1,800.00	2,500.00	\$5,000.00
30	MOBILIZATION	LS	1	93,000.00	\$93,000.00	20,000.00	\$20,000.00	42,000.00	\$42,000.00
<b>TOTAL</b>					<b>\$1,322,120.00</b>		<b>\$1,642,514.19</b>		<b>\$1,999,627.00</b>

**SCHEDULE D - INDIANA RANCH ROAD**

1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$8,120.00	\$8,120.00	\$7,000.00	\$7,000.00
2	CONSTRUCTION STAKING	LS	1	5,000.00	\$5,000.00	6,800.00	\$6,800.00	12,000.00	\$12,000.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,800.00	\$1,800.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	2,000.00	\$2,000.00
5	CONSTRUCTION AREA SIGNS	LS	1	10,000.00	\$10,000.00	11,500.00	\$11,500.00	13,000.00	\$13,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	25,000.00	\$25,000.00	15,000.00	\$15,000.00	11,000.00	\$11,000.00
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	3,000.00	\$3,000.00
8	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	700.00	\$700.00
9	TEMPORARY EROSION CONTROL	LS	1	5.00	\$5.00	15,000.00	\$15,000.00	6,000.00	\$6,000.00
10	CLEARING AND GRUBBING	LS	1	17,000.00	\$17,000.00	10,000.00	\$10,000.00	25,000.00	\$25,000.00
11	ROADWAY EXCAVATION	CY	468	60.00	\$28,080.00	175.00	\$81,900.00	190.00	\$88,920.00
12	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	CY	84	150.00	\$12,600.00	440.00	\$36,960.00	220.00	\$18,480.00
13	STRUCTURE BACKFILL (SOLDIER PILE WALL)	CY	42	200.00	\$8,400.00	745.00	\$31,290.00	970.00	\$40,740.00
14	IMPORTED BORROW (CY)	CY	144	50.00	\$7,200.00	205.00	\$29,520.00	230.00	\$33,120.00
15	SUBGRADE ENHANCEMENT GEOGRID	SQYD	152	8.00	\$1,216.00	25.00	\$3,800.00	28.00	\$4,256.00
16	FURNISH TIRE DERIVED AGGREGATE (TDA)	TON	233	75.00	\$17,475.00	100.00	\$23,300.00	125.00	\$29,125.00
17	PLACE TIRE DERIVED AGGREGATE (TDA)	TON	233	42.00	\$9,786.00	50.00	\$11,650.00	92.00	\$21,436.00
18	FILTER FABRIC (TDA)	SQYD	512	1.75	\$896.00	15.00	\$7,680.00	4.00	\$2,048.00

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Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
19	FIBER ROLLS	LF	223	5.50	\$1,226.50	6.54	\$1,458.42	7.00	\$1,561.00
20	HYDROSEED	SQFT	3211	0.40	\$1,284.40	1.00	\$3,211.00	1.00	\$3,211.00
21	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,000.00	\$3,000.00
22	CLASS 2 AGGREGATE BASE	TON	124	88.00	\$10,912.00	170.00	\$21,080.00	100.00	\$12,400.00
23	STEEL SOLDIER PILE (W 18 X 119 )	LF	585	125.00	\$73,125.00	90.00	\$52,650.00	240.00	\$140,400.00
24	30" DRILLED HOLE	LF	465	250.00	\$116,250.00	91.00	\$42,315.00	530.00	\$246,450.00
25	STRUCTURAL CONCRETE	CY	54	1,800.00	\$97,200.00	200.00	\$10,800.00	615.00	\$33,210.00
26	TIMBER LAGGING	MFBM	7	3,500.00	\$24,500.00	4,125.00	\$28,875.00	6,000.00	\$42,000.00
27	CLEAN AND PAINT STEEL SOLDIER PILING	LS	1	29,250.00	\$29,250.00	9,400.00	\$9,400.00	45,000.00	\$45,000.00
28	6" ALTERNATIVE PIPE CULVERT	LF	24	45.00	\$1,080.00	233.00	\$5,592.00	280.00	\$6,720.00
29	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	150	55.00	\$8,250.00	125.00	\$18,750.00	77.00	\$11,550.00
30	ROCK SLOPE PROTECTION (LIGHT, METHOD B) (CY)	CY	6	250.00	\$1,500.00	900.00	\$5,400.00	2,000.00	\$12,000.00
31	OBJECT MARKER (TYPE P)	EA	2	85.00	\$170.00	175.00	\$350.00	600.00	\$1,200.00
32	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	113	65.00	\$7,345.00	50.00	\$5,650.00	102.00	\$11,526.00
33	CABLE RAILING	LF	102	75.00	\$7,650.00	40.00	\$4,080.00	65.00	\$6,630.00
34	END CAP (TYPE A)	EA	2	350.00	\$700.00	100.00	\$200.00	1,000.00	\$2,000.00
35	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2	5,000.00	\$10,000.00	900.00	\$1,800.00	2,500.00	\$5,000.00
36	MOBILIZATION	LS	1	54,000.00	\$54,000.00	100,000.00	\$100,000.00	35,000.00	\$35,000.00

<b>TOTAL</b>	<b>\$612,102.90</b>	<b>\$615,281.42</b>	<b>\$938,483.00</b>
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**SCHEDULE E - INDIANA RANCH ROAD**

1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$1,780.00	\$1,780.00	\$4,000.00	\$4,000.00
2	CONSTRUCTION STAKING	LS	1	5,000.00	\$5,000.00	7,575.00	\$7,575.00	8,000.00	\$8,000.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,500.00	\$1,500.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	1,700.00	\$1,700.00
5	CONSTRUCTION AREA SIGNS	LS	1	10,000.00	\$10,000.00	11,500.00	\$11,500.00	15,000.00	\$15,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	25,000.00	\$25,000.00	20,000.00	\$20,000.00	1,200.00	\$1,200.00
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	2,500.00	\$2,500.00
8	PREPARE WATER POLLUTION CONTROL	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	600.00	\$600.00
9	TEMPORARY EROSION CONTROL	LS	1	9,072.00	\$9,072.00	5,000.00	\$5,000.00	3,500.00	\$3,500.00
10	CLEARING AND GRUBBING	LS	1	14,000.00	\$14,000.00	10,000.00	\$10,000.00	8,000.00	\$8,000.00
11	ROADWAY EXCAVATION	CY	139	60.00	\$8,340.00	275.00	\$38,225.00	280.00	\$38,920.00
12	FIBER ROLLS	LF	324	5.50	\$1,782.00	6.13	\$1,986.12	8.00	\$2,592.00
13	HYDROSEED	SQFT	3090	0.40	\$1,236.00	1.00	\$3,090.00	1.00	\$3,090.00

**BID TABULATION SUMMARY SHEET**

8/14/2018

Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
14	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,500.00	\$3,500.00
15	CLASS 2 AGGREGATE BASE	TON	220	88.00	\$19,360.00	110.00	\$24,200.00	72.00	\$15,840.00
16	6" ALTERNATIVE PIPE CULVERT	LF	59	45.00	\$2,655.00	100.00	\$5,900.00	196.00	\$11,564.00
17	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	295	55.00	\$16,225.00	85.00	\$25,075.00	78.00	\$23,010.00
18	18" STEEL FLARED END SECTION	EA	1	700.00	\$700.00	500.00	\$500.00	2,000.00	\$2,000.00
19	ROCK SLOPE PROTECTION (NO. 2, METHOD A) (CY)	CY	22	200.00	\$4,400.00	430.00	\$9,460.00	400.00	\$8,800.00
20	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	151	7.50	\$1,132.50	21.00	\$3,171.00	18.00	\$2,718.00
21	COBBLE-LINED DITCH	LF	300	30.00	\$9,000.00	70.00	\$21,000.00	70.00	\$21,000.00
22	MOBILIZATION	LS	1	16,000.00	\$16,000.00	10,000.00	\$10,000.00	20,000.00	\$20,000.00
<b>TOTAL</b>					<b>\$168,904.50</b>		<b>\$209,612.12</b>		<b>\$199,034.00</b>

**SCHEDULE F - MORAN ROAD**

1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$12,640.00	\$12,640.00	\$10,000.00	\$10,000.00
2	CONSTRUCTION STAKING	LS	1	6,000.00	\$6,000.00	6,925.00	\$6,925.00	12,000.00	\$12,000.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,500.00	\$1,500.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	1,700.00	\$1,700.00
5	CONSTRUCTION AREA SIGNS	LS	1	5,000.00	\$5,000.00	800.00	\$800.00	1,000.00	\$1,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	20,000.00	\$20,000.00	15,000.00	\$15,000.00	4,000.00	\$4,000.00
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	2,500.00	\$2,500.00
8	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	600.00	\$600.00
9	TEMPORARY EROSION CONTROL	LS	1	9,072.00	\$9,072.00	15,000.00	\$15,000.00	11,000.00	\$11,000.00
10	TEMPORARY HIGH VISIBILITY FENCE (TYPE ESA)	LF	210	5.00	\$1,050.00	20.00	\$4,200.00	12.00	\$2,520.00
11	CLEARING AND GRUBBING	LS	1	12,000.00	\$12,000.00	10,000.00	\$10,000.00	39,000.00	\$39,000.00
12	ROADWAY EXCAVATION	CY	611	60.00	\$36,660.00	170.00	\$103,870.00	215.00	\$131,365.00
13	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	CY	111	150.00	\$16,650.00	395.00	\$43,845.00	250.00	\$27,750.00
14	STRUCTURE BACKFILL (SOLDIER PILE WALL)	CY	44	200.00	\$8,800.00	635.00	\$27,940.00	1,100.00	\$48,400.00
15	IMPORTED BORROW	CY	320	50.00	\$16,000.00	155.00	\$49,600.00	177.00	\$56,640.00
16	SUBGRADE ENHANCEMENT GEOGRID	SQYD	156	8.00	\$1,248.00	23.00	\$3,588.00	25.00	\$3,900.00
17	FURNISH TIRE DERIVED AGGREGATE (TDA)	TON	232	75.00	\$17,400.00	125.00	\$29,000.00	129.00	\$29,928.00
18	PLACE TIRE DERIVED AGGREGATE (TDA)	TON	232	42.00	\$9,744.00	50.00	\$11,600.00	90.00	\$20,880.00
19	FILTER FABRIC (TDA)	SQYD	494	1.75	\$864.50	15.00	\$7,410.00	4.00	\$1,976.00

**BID TABULATION SUMMARY SHEET**

8/14/2018

Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
20	FIBER ROLLS	LF	134	5.50	\$737.00	7.61	\$1,019.74	9.00	\$1,206.00
21	HYDROSEED	SQFT	3090	0.40	\$1,236.00	1.00	\$3,090.00	1.00	\$3,090.00
22	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,000.00	\$3,000.00
23	CLASS 2 AGGREGATE BASE	TON	116	88.00	\$10,208.00	115.00	\$13,340.00	100.00	\$11,600.00
24	HOT MIX ASPHALT (TYPE A)	TON	40	350.00	\$14,000.00	550.00	\$22,000.00	500.00	\$20,000.00
25	SHEETING AND SHORING	LS	1	2,000.00	\$2,000.00	5,000.00	\$5,000.00	15,000.00	\$15,000.00
26	STEEL SOLDIER PILE (W 18 X 119 )	LF	649	125.00	\$81,125.00	90.00	\$58,410.00	235.00	\$152,515.00
27	30" DRILLED HOLE	LF	606	250.00	\$151,500.00	91.00	\$55,146.00	527.00	\$319,362.00
28	STRUCTURAL CONCRETE	CY	70	1,800.00	\$126,000.00	200.00	\$14,000.00	682.00	\$47,740.00
29	TYPE G1 DRAINAGE INLET	EA	1	4,500.00	\$4,500.00	7,000.00	\$7,000.00	11,500.00	\$11,500.00
30	TIMBER LAGGING	MFBM	7	3,500.00	\$24,500.00	4,125.00	\$28,875.00	7,000.00	\$49,000.00
31	CLEAN AND PAINT STEEL SOLDIER PILING	LS	1	32,450.00	\$32,450.00	10,555.00	\$10,555.00	49,000.00	\$49,000.00
32	18" CORRUGATED STEEL PIPE (.109" THICK)	LF	21	250.00	\$5,250.00	425.00	\$8,925.00	920.00	\$19,320.00
33	18" STEEL FLARED END SECTION	EA	1	700.00	\$700.00	2,500.00	\$2,500.00	3,860.00	\$3,860.00
34	ROCK SLOPE PROTECTION (NO. 2, METHOD A)	CY	29	200.00	\$5,800.00	400.00	\$11,600.00	575.00	\$16,675.00
35	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	68	7.50	\$510.00	21.00	\$1,428.00	70.00	\$4,760.00
36	MARKER CULVERT (TYPE L-2)	EA	2	200.00	\$400.00	50.00	\$100.00	600.00	\$1,200.00
37	OBJECT MARKER (TYPE P)	EA	2	85.00	\$170.00	175.00	\$350.00	600.00	\$1,200.00
38	REMOVE ROADSIDE SIGN	EA	1	300.00	\$300.00	100.00	\$100.00	600.00	\$600.00
39	ROADSIDE SIGN - ONE POST	EA	1	100.00	\$100.00	550.00	\$550.00	600.00	\$600.00
40	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	125	65.00	\$8,125.00	50.00	\$6,250.00	100.00	\$12,500.00
41	CABLE RAILING	LF	114	75.00	\$8,550.00	40.00	\$4,560.00	75.00	\$8,550.00
42	END CAP (TYPE A)	EA	2	350.00	\$700.00	100.00	\$200.00	1,000.00	\$2,000.00
43	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2	5,000.00	\$10,000.00	900.00	\$1,800.00	2,500.00	\$5,000.00
44	MOBILIZATION	LS	1	68,000.00	\$68,000.00	100,000.00	\$100,000.00	35,000.00	\$35,000.00
<b>TOTAL</b>					<b>\$742,351.50</b>		<b>\$709,366.74</b>		<b>\$1,200,937.00</b>

**SCHEDULE G - BEAN CLIPPER ROAD**

1	ACCEPTANCE SAMPLING AND TESTING	LS	1	\$10,000.00	\$10,000.00	\$2,660.00	\$2,660.00	\$7,500.00	\$7,500.00
2	CONSTRUCTION STAKING	LS	1	5,000.00	\$5,000.00	5,700.00	\$5,700.00	7,700.00	\$7,700.00
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	715.00	\$715.00	500.00	\$500.00	1,800.00	\$1,800.00
4	DEVELOP WATER SUPPLY	LS	1	2,858.00	\$2,858.00	2,500.00	\$2,500.00	2,000.00	\$2,000.00
5	CONSTRUCTION AREA SIGNS	LS	1	5,000.00	\$5,000.00	800.00	\$800.00	1,000.00	\$1,000.00
6	TRAFFIC CONTROL SYSTEM	LS	1	30,000.00	\$30,000.00	25,000.00	\$25,000.00	3,400.00	\$3,400.00

**BID TABULATION SUMMARY SHEET**

8/14/2018

Item No.	Description	Unit Measure	Quantity	Engineer's Estimate		Knife River		Stimpel - Wiebelhaus	
				Unit Costs	Total	Unit Costs	Total	Unit Costs	Total
7	JOB SITE MANAGEMENT	LS	1	7,143.00	\$7,143.00	2,500.00	\$2,500.00	3,000.00	\$3,000.00
8	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	2,143.00	\$2,143.00	650.00	\$650.00	730.00	\$730.00
9	TEMPORARY EROSION CONTROL	LS	1	9,072.00	\$9,072.00	10,000.00	\$10,000.00	19,900.00	\$19,900.00
10	CLEARING AND GRUBBING	LS	1	17,000.00	\$17,000.00	19,100.00	\$19,100.00	40,000.00	\$40,000.00
11	ROADWAY EXCAVATION	CY	75	60.00	\$4,500.00	115.00	\$8,625.00	350.00	\$26,250.00
12	STRUCTURE BACKFILL (CULVERT)	CY	82	200.00	\$16,400.00	245.00	\$20,090.00	360.00	\$29,520.00
13	IMPORTED BORROW (CY)	CY	108	50.00	\$5,400.00	205.00	\$22,140.00	335.00	\$36,180.00
14	FIBER ROLLS	LF	54	5.50	\$297.00	14.51	\$783.54	17.00	\$918.00
15	HYDROSEED	SQFT	1035	0.40	\$414.00	3.00	\$3,105.00	5.00	\$5,175.00
16	PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS	1	2,143.00	\$2,143.00	5,000.00	\$5,000.00	3,000.00	\$3,000.00
17	CLASS 2 AGGREGATE BASE	TON	61	88.00	\$5,368.00	125.00	\$7,625.00	222.00	\$13,542.00
18	SHEETING AND SHORING	LS	1	2,000.00	\$2,000.00	3,500.00	\$3,500.00	6,120.00	\$6,120.00
19	96" CORRUGATED STEEL PIPE (.168" THICK)	LF	70	700.00	\$49,000.00	1,050.00	\$73,500.00	820.00	\$57,400.00
20	MARKER CULVERT (TYPE L-2)	EA	2	200.00	\$400.00	50.00	\$100.00	610.00	\$1,220.00
21	MOBILIZATION	LS	1	16,000.00	\$16,000.00	45,000.00	\$45,000.00	25,000.00	\$25,000.00
<b>TOTAL</b>					<b>\$190,853.00</b>		<b>\$258,878.54</b>		<b>\$291,355.00</b>

**TOTAL SCHEDULES A-G**

**\$4,601,392.60**

**\$5,101,196.50**

**\$6,843,786.00**