



RECONSTRUCTION OF COUNTY ROAD 16
RICHLAND COUNTY, NORTH DAKOTA

BASE BID				Knife River Materials - Northern MN Division		Mark Sand & Gravel Co.		Central Specialties, Inc.		Engineer's Estimate	
ITEM NO	ITEM DESCRIPTION	UNIT	NO. OF UNITS	BID PRICE PER UNIT	EXTENDED BID PRICE	BID PRICE PER UNIT	EXTENDED BID PRICE	BID PRICE PER UNIT	EXTENDED BID PRICE	BID PRICE PER UNIT	EXTENDED BID PRICE
1	CONTRACT BOND	LS	1	\$ 26,000.00	\$26,000.00	\$ 1,000.00	\$1,000.00	\$ 15,000.00	\$15,000.00	\$30,000.00	\$30,000.00
2	CLEARING AND GRUBBING	LS	1	\$ 30,000.00	\$30,000.00	\$ 14,500.00	\$14,500.00	\$ 15,000.00	\$15,000.00	\$10,000.00	\$10,000.00
3	REMOVE & SALVAGE CULVERT - ALL TYPES & SIZES	LF	2,250	\$ 35.00	\$78,750.00	\$ 28.00	\$63,000.00	\$ 25.00	\$56,250.00	\$15.00	\$33,750.00
4	REMOVAL OF END SECTION - ALL TYPES & SIZES	EA	50	\$ 85.00	\$4,250.00	\$ 300.00	\$15,000.00	\$ 250.00	\$12,500.00	\$100.00	\$5,000.00
5	REMOVE AND REINSTALL CULVERT - 18IN CSP	LF	36	\$ 80.00	\$2,880.00	\$ 65.00	\$2,340.00	\$ 175.00	\$6,300.00	\$80.00	\$2,880.00
6	COMMON EXCAVATION	CY	82,970	\$ 5.60	\$464,632.00	\$ 9.56	\$793,193.20	\$ 12.50	\$1,037,125.00	\$6.00	\$497,820.00
7	EMBANKMENT	CY	100	\$ 20.00	\$2,000.00	\$ 4.88	\$488.00	\$ 12.50	\$1,250.00	\$5.00	\$500.00
8	BORROW MATERIAL	CY	49,710	\$ 19.00	\$944,490.00	\$ 24.56	\$1,220,877.60	\$ 8.00	\$397,680.00	\$15.00	\$745,650.00
9	EXCAVATION - WASTE	CY	100	\$ 20.00	\$2,000.00	\$ 12.73	\$1,273.00	\$ 12.50	\$1,250.00	\$10.00	\$1,000.00
10	TOPSOIL (P)	CY	60,950	\$ 2.00	\$121,900.00	\$ 4.54	\$276,713.00	\$ 4.75	\$289,512.50	\$5.00	\$304,750.00
11	WATER	M GAL	2,013	\$ 15.00	\$30,195.00	\$ 25.00	\$50,325.00	\$ 35.00	\$70,455.00	\$25.00	\$50,325.00
12	DUST SUPPRESSANT	GAL	23,273	\$ 2.25	\$52,364.25	\$ 1.50	\$34,909.50	\$ 2.50	\$58,182.50	\$3.00	\$69,819.00
13	SUBGRADE PREPARATION - TYPE A - 12IN	STA	285	\$ 635.00	\$181,190.90	\$ 285.00	\$81,321.90	\$ 740.00	\$211,151.60	\$800.00	\$228,272.00
14	SILT FENCE SUPPORTED	LF	3,532	\$ 4.00	\$14,128.00	\$ 4.00	\$14,128.00	\$ 4.00	\$14,128.00	\$2.50	\$8,830.00
15	REMOVE SILT FENCE SUPPORTED	LF	3,532	\$ 0.85	\$3,002.20	\$ 0.85	\$3,002.20	\$ 0.85	\$3,002.20	\$0.75	\$2,649.00
16	FIBER ROLLS 12IN	LF	1,648	\$ 4.00	\$6,592.00	\$ 4.00	\$6,592.00	\$ 4.00	\$6,592.00	\$2.50	\$4,120.00
17	REMOVE FIBER ROLLS 12IN	LF	1,648	\$ 1.00	\$1,648.00	\$ 1.00	\$1,648.00	\$ 1.00	\$1,648.00	\$0.75	\$1,236.00
18	AGGREGATE BASE COURSE CL 5	TON	36,065	\$ 18.50	\$667,202.50	\$ 15.50	\$559,007.50	\$ 28.00	\$1,009,820.00	\$25.00	\$901,625.00
19	AGGREGATE SURFACE COURSE CL 13	TON	7,307	\$ 30.00	\$219,210.00	\$ 21.00	\$153,447.00	\$ 29.00	\$211,903.00	\$25.00	\$182,675.00
20	SALVAGED BASE BASE COURSE (P)	CY	35,980	\$ 5.50	\$197,890.00	\$ 21.75	\$782,565.00	\$ 20.00	\$719,600.00	\$20.00	\$719,600.00
21	BASE STABILIZATION CHEMICAL 6" (INSTALL)	GAL	4,742	\$ 10.00	\$47,420.00	\$ 32.00	\$151,744.00	\$ 33.56	\$159,141.52	\$25.00	\$118,550.00
22	CURB AND GUTTER TYPE 1 MOUNTABLE	LF	1,510	\$ 26.50	\$40,015.00	\$ 26.50	\$40,015.00	\$ 26.50	\$40,015.00	\$80.00	\$120,800.00
23	MINE AND BLEND	SY	76,590	\$ 0.75	\$57,442.50	\$ 1.10	\$84,249.00	\$ 0.83	\$63,569.70	\$2.00	\$153,180.00
24	REMOVE AND STOCKPILE BLENDED MATERIAL	SY	76,590	\$ 2.75	\$210,622.50	\$ 6.25	\$478,687.50	\$ 5.20	\$398,268.00	\$1.75	\$134,032.50
25	MILL PAVEMENT SURFACE (2")	SY	92,090	\$ 1.70	\$156,553.00	\$ 1.60	\$147,344.00	\$ 2.60	\$239,434.00	\$2.50	\$230,225.00
26	HOT BITUMINOUS PAVEMENT RAP - SUPERPAVE FAA43	TON	28,374	\$ 50.00	\$1,418,700.00	\$ 32.00	\$907,968.00	\$ 42.35	\$1,201,638.90	\$60.00	\$1,702,440.00
27	PG 58H-28 ASPHALT CEMENT (5%)	TON	1,419	\$ 615.00	\$872,685.00	\$ 685.00	\$972,015.00	\$ 700.00	\$993,300.00	\$600.00	\$851,400.00
28	TACK COAT	GAL	8,300	\$ 2.50	\$20,750.00	\$ 3.00	\$24,900.00	\$ 3.25	\$26,975.00	\$2.25	\$18,675.00
29	FOG COAT	GAL	8,300	\$ 2.50	\$20,750.00	\$ 3.00	\$24,900.00	\$ 3.25	\$26,975.00	\$2.50	\$20,750.00
30	MOBILIZATION	LS	1	\$ 304,000.00	\$304,000.00	\$ 430,000.00	\$430,000.00	\$ 647,500.00	\$647,500.00	\$500,000.00	\$500,000.00
31	TRAFFIC CONTROL SIGNS	UNIT	2,063	\$ 2.00	\$4,126.00	\$ 2.00	\$4,126.00	\$ 2.00	\$4,126.00	\$2.00	\$4,126.00
32	TYPE III BARRICADES	EA	38	\$ 90.00	\$3,420.00	\$ 90.00	\$3,420.00	\$ 90.00	\$3,420.00	\$120.00	\$4,560.00
33	VERTICAL PANELS	EA	200	\$ 15.00	\$3,000.00	\$ 15.00	\$3,000.00	\$ 15.00	\$3,000.00	\$30.00	\$6,000.00
34	DELINATOR DRUMS	EA	50	\$ 20.00	\$1,000.00	\$ 20.00	\$1,000.00	\$ 20.00	\$1,000.00	\$30.00	\$1,500.00
35	TUBULAR MARKERS	EA	200	\$ 4.00	\$800.00	\$ 4.00	\$800.00	\$ 4.00	\$800.00	\$10.00	\$2,000.00
36	PORTABLE RUMBLE STRIPS	EA	2	\$ 1,100.00	\$2,200.00	\$ 1,100.00	\$2,200.00	\$ 1,100.00	\$2,200.00	\$1,400.00	\$2,800.00
37	FLAGGING	MHR	462	\$ 58.00	\$26,796.00	\$ 100.00	\$46,200.00	\$ 61.33	\$28,334.46	\$40.00	\$18,480.00
38	PILOT CAR	MHR	231	\$ 65.00	\$15,015.00	\$ 125.00	\$28,875.00	\$ 85.78	\$19,815.18	\$50.00	\$11,550.00
39	SEEDING - CLASS I	ACRE	91	\$ 450.00	\$40,860.00	\$ 450.00	\$40,860.00	\$ 450.00	\$40,860.00	\$1,500.00	\$136,200.00
40	HYDRO MULCH	ACRE	4	\$ 2,180.00	\$8,720.00	\$ 2,180.00	\$8,720.00	\$ 2,180.00	\$8,720.00	\$3,500.00	\$14,000.00
41	STRAW MULCHING	ACRE	87	\$ 350.00	\$30,415.00	\$ 350.00	\$30,415.00	\$ 350.00	\$30,415.00	\$400.00	\$34,760.00
42	TEMPORARY COVER CROP	ACRE	91	\$ 125.00	\$11,350.00	\$ 125.00	\$11,350.00	\$ 125.00	\$11,350.00	\$300.00	\$27,240.00
43	ROCK RIPRAP	CY	20	\$ 300.00	\$6,000.00	\$ 175.00	\$3,500.00	\$ 250.00	\$5,000.00	\$55.00	\$1,100.00
44	EROSION CONTROL BLANKET	SY	2,450	\$ 2.00	\$4,900.00	\$ 2.00	\$4,900.00	\$ 2.00	\$4,900.00	\$3.00	\$7,350.00
45	PIPE CONC REINF 24IN CL III-STORM DRAIN	LF	342	\$ 140.00	\$47,880.00	\$ 235.00	\$80,370.00	\$ 325.00	\$111,150.00	\$200.00	\$68,400.00
46	SHEAR GATE-CONC REINF 24IN	EA	2	\$ 10,600.00	\$21,200.00	\$ 10,600.00	\$21,200.00	\$ 11,060.00	\$22,120.00	\$9,000.00	\$18,000.00

47	FLAP GATE-CONC REINF 24IN	EA	1	\$ 2,850.00	\$2,850.00	\$ 2,450.00	\$2,450.00	\$ 4,050.00	\$4,050.00	\$7,500.00	\$7,500.00
48	PIPE CORR STEEL 0.064IN 18IN	LF	64	\$ 75.00	\$4,800.00	\$ 85.20	\$5,452.80	\$ 62.00	\$3,968.00	\$80.00	\$5,120.00
49	PIPE CORR STEEL 0.064IN 24IN	LF	1,858	\$ 85.00	\$157,930.00	\$ 90.00	\$167,220.00	\$ 66.00	\$122,628.00	\$100.00	\$185,800.00
50	PIPE CORR STEEL 0.064IN 30IN	LF	702	\$ 95.00	\$66,690.00	\$ 106.32	\$74,636.64	\$ 81.00	\$56,862.00	\$115.00	\$80,730.00
51	PIPE CORR STEEL 0.064IN 36IN	LF	140	\$ 105.00	\$14,700.00	\$ 119.00	\$16,660.00	\$ 84.00	\$11,760.00	\$130.00	\$18,200.00
52	PIPE CORR STEEL 0.064IN ARCH 42IN X 29IN	LF	138	\$ 110.00	\$15,180.00	\$ 126.20	\$17,415.60	\$ 103.00	\$14,214.00	\$150.00	\$20,700.00
53	PIPE CORR STEEL 0.079IN ARCH 49IN X 33IN	LF	218	\$ 130.00	\$28,340.00	\$ 157.00	\$34,226.00	\$ 141.00	\$30,738.00	\$200.00	\$43,600.00
54	END SECT., CORR STEEL 0.064IN X 18IN	EA	2	\$ 290.00	\$580.00	\$ 431.00	\$862.00	\$ 400.00	\$800.00	\$250.00	\$500.00
55	END SECT., CORR STEEL 0.064IN X 24IN	EA	52	\$ 350.00	\$18,200.00	\$ 523.00	\$27,196.00	\$ 482.00	\$25,064.00	\$350.00	\$18,200.00
56	END SECT., CORR STEEL 0.079IN X 30IN	EA	18	\$ 650.00	\$11,700.00	\$ 854.00	\$15,372.00	\$ 785.00	\$14,130.00	\$500.00	\$9,000.00
57	END SECT CORR STEEL .079IN 36IN	EA	4	\$ 760.00	\$3,040.00	\$ 982.00	\$3,928.00	\$ 910.00	\$3,640.00	\$600.00	\$2,400.00
58	END SECT., CORR STEEL 0.064IN ARCH 42IN X 29IN	EA	4	\$ 840.00	\$3,360.00	\$ 1,129.00	\$4,516.00	\$ 1,060.00	\$4,240.00	\$800.00	\$3,200.00
59	END SECT., CORR STEEL 0.079IN ARCH 49IN X 33IN	EA	8	\$ 1,200.00	\$9,600.00	\$ 1,482.00	\$11,856.00	\$ 1,500.00	\$12,000.00	\$850.00	\$6,800.00
60	PIPE POLYETHYLENE CORR PERF 6" DRAIN	LF	26,605	\$ 11.00	\$292,655.00	\$ 9.95	\$264,719.75	\$ 9.95	\$264,719.75	\$15.00	\$399,075.00
61	PRECAST CONCRETE HEADWALL	EA	32	\$ 425.00	\$13,600.00	\$ 425.00	\$13,600.00	\$ 425.00	\$13,600.00	\$750.00	\$24,000.00
62	FENCE BARBED WIRE 4 STRAND-STEEL POST	LF	1,524	\$ 5.88	\$8,961.12	\$ 10.00	\$15,240.00	\$ 10.00	\$15,240.00	\$4.00	\$6,096.00
63	STEEL GALV POST-TELESCOPING PERFORATED TUBE	LF	1,895	\$ 9.95	\$18,855.25	\$ 9.95	\$18,855.25	\$ 9.95	\$18,855.25	\$25.00	\$47,375.00
64	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	635	\$ 22.00	\$13,970.00	\$ 22.00	\$13,970.00	\$ 22.00	\$13,970.00	\$25.00	\$15,875.00
65	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	166	\$ 20.00	\$3,320.00	\$ 20.00	\$3,320.00	\$ 20.00	\$3,320.00	\$25.00	\$4,150.00
66	RESET SIGN PANEL	EA	5	\$ 25.00	\$125.00	\$ 25.00	\$125.00	\$ 25.00	\$125.00	\$100.00	\$500.00
67	RESET SIGN SUPPORT	EA	11	\$ 90.00	\$990.00	\$ 90.00	\$990.00	\$ 90.00	\$990.00	\$150.00	\$1,650.00
68	REMOVE SIGNS	EA	56	\$ 15.00	\$840.00	\$ 15.00	\$840.00	\$ 15.00	\$840.00	\$50.00	\$2,800.00
69	EPOXY PVMT MK 4IN LINE (WHITE & YELLOW) CENTERLINE	LF	14,116	\$ 0.60	\$8,469.60	\$ 0.60	\$8,469.60	\$ 0.60	\$8,469.60	\$0.40	\$5,646.40
70	EPOXY PVMT MK 6IN LINE (WHITE) EDGE LINE	LF	68,170	\$ 0.90	\$61,353.00	\$ 0.90	\$61,353.00	\$ 0.90	\$61,353.00	\$0.75	\$51,127.50
71	EPOXY PVMT MK 24IN LINE (WHITE & YELLOW)	LF	13	\$ 22.00	\$286.00	\$ 22.00	\$286.00	\$ 22.00	\$286.00	\$35.00	\$455.00
72	MAILBOX - ALL TYPES	EA	10	\$ 325.00	\$3,250.00	\$ 325.00	\$3,250.00	\$ 325.00	\$3,250.00	\$500.00	\$5,000.00
73	RUMBLE STRIPS - INTERSECTION	EA	4	\$ 1,250.00	\$5,000.00	\$ 3,708.96	\$14,835.84	\$ 1,250.00	\$5,000.00	\$3,500.00	\$14,000.00
74	4" PVC PERF PIPE	LF	1,510	\$ 20.00	\$30,200.00	\$ 20.00	\$30,200.00	\$ 25.00	\$37,750.00	\$25.00	\$37,750.00
75	AGGREGATE LABORATORY	EA	1	\$ 15,000.00	\$15,000.00	\$ 12,000.00	\$12,000.00	\$ 10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
76	BITUMINOUS LABORATORY	EA	1	\$ 7,500.00	\$7,500.00	\$ 12,000.00	\$12,000.00	\$ 10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
TOTAL BASE BID					\$7,248,289.82		\$8,483,934.88		\$9,004,240.16		\$9,040,869.40