

PROJECT NO. CH1511 GRADING, ROAD REALIGNMENT, & BITUMINOUS SURFACING ON CASS HIGHWAY 31 FROM CASS HIGHWAY 20 TO 1.600' SOUTH OF DRAIN 10			ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		Border States Paving Inc. PO Box 2586 Fargo, ND 58108		Knife River Materials PO Box 40 Bemidji, MN 56619		Mark Sand & Gravel Co. 525 Kennedy Park Road Fergus Falls, MN 56537		Central Specialties, Inc. 6325 County Road 87 SW Alexandria, MN 56308		Minn-Dak Asphalt Inc 423 West Zeh St Thief River Falls, MN 56701	
ITEM	SPEC NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1	103	CONTRACT BOND	L SUM	1	\$10,000.00	\$10,000.00	\$9,100.00	\$9,100.00	\$6,500.00	\$6,500.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$11,000.00	\$11,000.00
2	201	CLEARING AND GRUBBING	L SUM	1	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$2,000.00	\$2,000.00	\$8,400.00	\$8,400.00
3	202	REMOVAL OF ASPHALT PAVEMENT	SY	500	\$7.00	\$3,500.00	\$6.50	\$3,250.00	\$6.50	\$3,250.00	\$6.50	\$3,250.00	\$8.00	\$4,000.00	\$6.83	\$3,415.00
4	202	REMOVAL OF CONCRETE	SY	200	\$15.00	\$3,000.00	\$6.50	\$1,300.00	\$6.50	\$1,300.00	\$6.50	\$1,300.00	\$10.00	\$2,000.00	\$6.83	\$1,366.00
5	203	COMMON EXCAVATION - TYPE B	CY	34.426	\$5.00	\$172,130.00	\$2.05	\$70,673.30	\$2.03	\$69,884.78	\$2.03	\$69,884.78	\$4.00	\$137,704.00	\$2.13	\$73,327.38
6	203	TOPSOIL	CY	21.943	\$5.00	\$109,715.00	\$2.40	\$52,663.20	\$2.35	\$51,566.05	\$2.35	\$51,566.05	\$3.50	\$76,800.50	\$2.47	\$54,199.21
7	203	COMMON EXCAVATION - WASTE	CY	16.078	\$12.00	\$192,936.00	\$3.20	\$51,449.60	\$3.15	\$50,645.70	\$3.15	\$50,645.70	\$5.00	\$80,390.00	\$3.31	\$53,218.18
8	203	TOPSOIL - IMPORTED	CY	5,000	\$5.00	\$25,000.00	\$14.10	\$70,500.00	\$13.60	\$68,000.00	\$14.00	\$70,000.00	\$6.00	\$30,000.00	\$14.70	\$73,500.00
9	203	BORROW - EXCAVATION	CY	11,087	\$10.00	\$110,870.00	\$5.10	\$56,543.70	\$5.00	\$55,435.00	\$5.00	\$55,435.00	\$5.00	\$55,435.00	\$5.25	\$58,206.75
10	210	SELECT BACKFILL	TON	769	\$22.00	\$16,918.00	\$16.25	\$12,496.25	\$16.00	\$12,304.00	\$16.00	\$12,304.00	\$20.00	\$15,380.00	\$16.80	\$12,919.20
11	216	WATER	M GAL	500	\$25.00	\$12,500.00	\$25.00	\$12,500.00	\$22.00	\$11,000.00	\$15.00	\$7,500.00	\$30.00	\$15,000.00	\$26.25	\$13,125.00
12	234	CEMENT STABILIZED SUBGRADE	SY	29008.89	\$2.00	\$58,017.78	\$1.60	\$46,414.22	\$0.81	\$23,497.20	\$0.81	\$23,497.20	\$1.50	\$43,513.34	\$1.48	\$42,933.16
13	251	SEEDING CLASS III	ACRE	30.93	\$1,000.00	\$30,930.00	\$630.00	\$19,485.90	\$685.00	\$21,187.05	\$615.00	\$19,021.95	\$615.00	\$19,021.95	\$651.00	\$20,135.43
14	251	TEMPORARY COVER CROP	ACRE	15	\$1,500.00	\$22,500.00	\$155.00	\$2,325.00	\$75.00	\$1,125.00	\$150.00	\$2,250.00	\$150.00	\$2,250.00	\$92.40	\$1,386.00
15	253	STRAW MULCH	ACRE	24.93	\$350.00	\$8,725.50	\$280.00	\$6,980.40	\$325.00	\$8,102.25	\$275.00	\$6,855.75	\$275.00	\$6,855.75	\$430.50	\$10,732.37
16	253	HYDRAULIC MULCH	ACRE	6	\$2,000.00	\$12,000.00	\$1,100.00	\$6,600.00	\$1,250.00	\$7,500.00	\$1,050.00	\$6,300.00	\$1,050.00	\$6,300.00	\$5,512.50	\$33,075.00
17	255	EROSION CONTROL BLANKET TYPE 1	SY	42	\$2.00	\$84.00	\$3.00	\$126.00	\$1.50	\$63.00	\$2.95	\$123.90	\$2.95	\$123.90	\$1,706.25	\$71,662.50
18	261	TEMPORARY FIBER ROLLS 12IN	LF	750	\$3.00	\$2,250.00	\$2.55	\$1,912.50	\$2.50	\$1,875.00	\$2.50	\$1,875.00	\$2.50	\$1,875.00	\$2.47	\$1,852.50
19	261	FIBER ROLL 12IN	LF	1890	\$4.00	\$7,560.00	\$2.55	\$4,819.50	\$2.50	\$4,725.00	\$2.50	\$4,725.00	\$2.50	\$4,725.00	\$2.47	\$4,688.30
20	302	CRUSHED CONCRETE	TON	11826	\$18.00	\$212,868.00	\$18.00	\$212,868.00	\$17.25	\$203,998.50	\$19.95	\$235,928.70	\$16.00	\$189,216.00	\$27.78	\$328,526.28
21	302	AGGREGATE BASE COURSE CL 5	TON	138	\$22.00	\$3,036.00	\$26.00	\$3,588.00	\$42.00	\$5,796.00	\$35.00	\$4,830.00	\$25.00	\$3,450.00	\$22.42	\$3,093.96
22	408	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	200	\$15.00	\$3,000.00	\$3.50	\$700.00	\$2.25	\$450.00	\$5.00	\$1,000.00	\$5.00	\$1,000.00	\$10.00	\$2,000.00
23	411	MILLING PAVEMENT SURFACE - FULL DEPTH	SY	17218.89	\$3.00	\$51,656.67	\$4.00	\$68,875.56	\$5.20	\$89,538.23	\$4.00	\$68,875.56	\$5.00	\$86,094.45	\$5.72	\$98,492.05
24	430	RAP - SUPERPAVE FAA 42	TON	11978	\$35.00	\$419,230.00	\$37.00	\$443,186.00	\$38.15	\$456,960.70	\$37.25	\$446,180.50	\$37.58	\$450,133.24	\$47.00	\$562,966.00
25	430	CORING BITUMINOUS SURFACING	EA	17	\$25.00	\$425.00	\$34.00	\$578.00	\$15.00	\$255.00	\$55.00	\$935.00	\$30.00	\$510.00	\$35.00	\$595.00
26	430	PG 58-28 ASPHALT CEMENT	TON	599	\$500.00	\$299,500.00	\$250.00	\$149,750.00	\$325.00	\$194,675.00	\$370.00	\$221,630.00	\$380.00	\$227,620.00	\$288.00	\$172,512.00
27	702	MOBILIZATION	L SUM	1	\$50,000.00	\$50,000.00	\$30,000.00	\$30,000.00	\$124,300.00	\$124,300.00	\$85,000.00	\$85,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
28	704	TRAFFIC CONTROL	L SUM	1	\$13,600.00	\$13,600.00	\$2,400.00	\$2,400.00	\$1,900.00	\$1,900.00	\$10,000.00	\$10,000.00	\$2,380.00	\$2,380.00	\$1,995.00	\$1,995.00
29	704	BITUMINOUS LABORATORY	L SUM	1	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$3,500.00	\$3,500.00	\$8,000.00	\$8,000.00	\$6,000.00	\$6,000.00	\$4,500.00	\$4,500.00
30	706	CONTRACTORS LABORATORY	L SUM	1	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$3,500.00	\$3,500.00	\$8,000.00	\$8,000.00	\$6,000.00	\$6,000.00	\$6,500.00	\$6,500.00
31	706	GEOTEXTILE FABRIC - TYPE R1	L SUM	476	\$3.00	\$1,428.00	\$2.00	\$952.00	\$2.00	\$952.00	\$2.00	\$952.00	\$4.00	\$1,904.00	\$2.10	\$999.60
32	709	PIPE CORR STEEL 0.079IN 24IN	SY	394	\$50.00	\$19,700.00	\$33.00	\$13,002.00	\$32.00	\$12,608.00	\$32.00	\$12,608.00	\$50.00	\$19,700.00	\$33.60	\$13,238.40
33	714	PIPE CONC REINF 36IN CL II	LF	146	\$200.00	\$29,200.00	\$61.50	\$8,979.00	\$61.00	\$8,906.00	\$61.00	\$8,906.00	\$80.00	\$11,680.00	\$64.05	\$9,351.30
34	714	END SECT CORR STEEL 0.064IN 24IN	LF	12	\$300.00	\$3,600.00	\$175.00	\$2,100.00	\$170.00	\$2,040.00	\$170.00	\$2,040.00	\$200.00	\$3,360.00	\$178.50	\$2,142.00
35	714	END SECT CONC REINF 36IN	EA	1	\$1,500.00	\$1,500.00	\$900.00	\$900.00	\$850.00	\$850.00	\$950.00	\$950.00	\$1,200.00	\$1,200.00	\$892.50	\$892.50
36	714	FENCE REMOVE & RESET	EA	325	\$10.00	\$3,250.00	\$13.50	\$4,387.50	\$21.60	\$7,020.00	\$13.00	\$4,225.00	\$13.00	\$4,225.00	\$7.31	\$2,375.75
37	752	PREFORMED PATTERNED PVMT MK - MESSAGE(GROOVED)	LF	64	\$20.00	\$1,280.00	\$43.00	\$2,756.00	\$22.50	\$1,440.00	\$41.72	\$2,670.08	\$22.50	\$1,440.00	\$43.81	\$2,803.84
38	762	SHORT TERM 4 IN BROKEN LINE-PNT TAPE OR RSD MRK	SF	1224	\$0.15	\$183.60	\$0.21	\$257.04	\$0.18	\$220.32	\$0.20	\$244.80	\$0.18	\$220.32	\$0.21	\$257.04
39	762	SHORT TERM 4 IN LINE NPZ - PN TP OR RS MRK	LF	23100	\$0.15	\$3,465.00	\$0.21	\$4,851.00	\$0.10	\$2,310.00	\$0.20	\$4,620.00	\$0.10	\$2,310.00	\$0.21	\$4,851.00
40	762	PVMT MK PAINTED 4IN LINE	LF	62091.25	\$0.10	\$6,209.13	\$0.06	\$3,725.48	\$0.07	\$4,346.39	\$0.06	\$3,787.57	\$0.07	\$4,346.39	\$0.07	\$4,346.39
41	762	PVMT MK PAINTED 8IN LINE	LF	520	\$0.25	\$130.00	\$0.24	\$124.80	\$0.30	\$156.00	\$0.23	\$119.60	\$0.30	\$156.00	\$0.24	\$124.80
42	762	REMOVE W-BEAM GUARDRAIL & POSTS	LF	312	\$5.00	\$1,560.00	\$3.35	\$1,045.20	\$6.96	\$2,171.52	\$4.00	\$1,248.00	\$3.20	\$998.40	\$7.31	\$2,280.72
43	764	PORTLAND CEMENT	LF	939.89	\$160.00	\$150,382.40	\$182.00	\$171,059.98	\$182.00	\$171,059.98	\$182.00	\$171,059.98	\$170.00	\$159,781.30	\$191.10	\$179,612.98
44	804	QC/QA TESTING	TON	1	\$5,000.00	\$5,000.00	\$13,500.00	\$13,500.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$4,872.00	\$4,872.00	\$17,850.00	\$17,850.00
45	930	CONSTRUCTION SURVEYING	L SUM	1	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$6,400.00	\$6,400.00	\$6,400.00	\$6,400.00	\$12,000.00	\$12,000.00	\$27,300.00	\$27,300.00
46	930	CALCIUM CHLORIDE	L SUM	9000	\$1.25	\$11,250.00	\$1.25	\$11,250.00	\$0.97	\$8,730.00	\$1.05	\$9,450.00	\$0.97	\$8,685.00	\$1.01	\$9,090.00
47	930	36" SCREW GATE	GAL	1	\$5,000.00	\$5,000.00	\$4,900.00	\$4,900.00	\$4,800.00	\$4,800.00	\$4,800.00	\$4,800.00	\$6,275.00	\$6,275.00	\$4,800.00	\$4,800.00
48	704	PORTABLE CHANGEABLE MESSAGE SIGN	EA	42	\$100.00	\$4,200.00	\$41.50	\$1,743.00	\$50.00	\$2,100.00	\$50.00	\$2,100.00	\$40.00	\$1,680.00	\$2,205.00	\$92,610.00
					TOTAL =	\$2,119,290.08	TOTAL =	\$1,614,514.13	TOTAL =	\$1,731,943.67	TOTAL =	\$1,739,995.12	TOTAL =	\$1,825,611.53	TOTAL =	\$2,205,228.58