

REDWOOD COUNTY ENGINEER'S ESTIMATE

RAISE GRANT - CSAH 2 ROAD AND SHARED USE PATH IMPROVEMENTS PROJECT

MILES: 3.509 (18,528') Pavement Reconstruction
MILES: 4.081 (21,550') Pavement UTBWC Rehabilitation
MILES: 2.370 (12,511') Pavement Mill & Overlay Rehabilitation
MILES: 1.823 (9,623') Trail Construction
ESTIMATED LETTING DATE: 2028

PROJECT: SAP 064-602-025
KIND OF WORK: GRADING, AGG. BASE, BIT. SURFACE
AGG. SHOULDERS, BRIDGE REPLACEMENTS, SHARED USE
PATH, PAVEMENT REHAB, ELECTRIC VEHICLE
CHARGING STATIONS, INTERSECTION LIGHTING, SHARED
USE PATH LIGHTING

Line No.	Item Number	Item Description	UNIT	UNIT PRICE	TOTAL QUANTITY	Amount
1	2021.501	MOBILIZATION	LUMP SUM	\$880,000.00	1.0	\$880,000.00
2	2101.524	CLEARING	ACRE	\$5,700.00	3.0	\$17,100.00
3	2101.524	GRUBBING	ACRE	\$4,500.00	3.0	\$13,500.00
4	2104.502	REMOVE SIGN	EACH	\$125.00	85	\$10,625.00
5	2104.503	SAWING BITUMINOUS PAVEMENT	LIN FT	\$15.00	200	\$3,000.00
6	2104.503	REMOVE PIPE CULVERT	LIN FT	\$15.00	1320	\$19,800.00
7	2104.503	REMOVE FENCE	LIN FT	\$5.00	9400	\$47,000.00
8	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$4.00	49280	\$197,120.00
9	2106.507	EXCAVATION - COMMON (P)	CU YD	\$25.00	145000	\$3,625,000.00
10	2106.507	EXCAVATION - SUBGRADE	CU YD	\$25.00	18519	\$462,975.00
11	2106.507	EXCAVATION - MUCK	CU YD	\$35.00	7408	\$259,280.00
12	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	\$22.00	33967	\$747,274.00
13	2106.507	COMMON EMBANKMENT (CV)	CU YD	\$25.00	53280	\$1,332,000.00
14	2106.507	STABILIZING AGGREGATE (CV)	CU YD	\$25.00	25927	\$648,175.00
15	2106.601	CONSTRUCT TEMPORARY ACCESS ROAD	LUMP SUM	\$20,000.00	2.0	\$40,000.00
16	2108.504	GEOTEXTILE FABRIC	SQ YD	\$4.50	98800	\$444,600.00
17	2111.519	TEST ROLLING	ROAD STA	\$5.00	185	\$925.00
18	2123.510	MOTOR GRADER	HOUR	\$140.00	20	\$2,800.00
19	2123.510	0.5 CU YD SHOVEL	HOUR	\$150.00	20	\$3,000.00
20	2123.510	1.0 CU YD SHOVEL	HOUR	\$170.00	20	\$3,400.00
21	2123.510	DOZER	HOUR	\$175.00	20	\$3,500.00
22	2123.510	12 CU YD TRUCK	HOUR	\$140.00	20	\$2,800.00
23	2123.510	PNEUMATIC-TIRED ROLLER	HOUR	\$140.00	20	\$2,800.00
24	2123.510	8 TON STEEL-WHEELED ROLLER	HOUR	\$140.00	20	\$2,800.00
25	2123.610	SKID LOADER	HOUR	\$115.00	20	\$2,300.00
26	2130.523	WATER	M GALLON	\$140.00	120	\$16,800.00
27	2211.509	AGGREGATE BASE CLASS 5	TON	\$25.00	67000	\$1,675,000.00
28	2221.509	SHOULDER BASE AGGREGATE CLASS 1	TON	\$22.00	7700	\$169,400.00
29	2353.504	ULTRA THIN BONDED WEARING COURSE	SQ YD	\$8.50	86200	\$732,700.00
30	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$85.00	25383	\$2,157,555.00
31	2360.509	TYPE SP 12.5 NON WEARING COURSE MIX (2,B)	TON	\$80.00	6756	\$540,480.00
32	2412.502	10'X8' PRECAST CONCRETE BOX CULVERT END SECTION	EACH	\$12,000.00	2	\$24,000.00
33	2412.502	10'X10' PRECAST CONCRETE BOX CULVERT END SECTION	EACH	\$15,000.00	4	\$60,000.00
34	2412.503	10'X8' PRECAST CONCRETE BOX CULVERT CL III	LF	\$1,500.00	120	\$180,000.00
35	2412.503	10'X10' PRECAST CONCRETE BOX CULVERT CL III	LF	\$1,700.00	300	\$510,000.00
36	2451.609	AGGREGATE BEDDING (1.5" COURSE AGGREGATE)	TON	\$35.00	1428	\$49,980.00
37	2451.609	GRANULAR BACKFILL	TON	\$24.00	7000	\$168,000.00
38	2502.502	4" PRECAST CONCRETE HEADWALL	EACH	\$275.00	50	\$13,750.00
39	2502.503	4" TP PIPE DRAIN	LIN FT	\$9.50	1000	\$9,500.00
40	2502.503	4" PERF PE PIPE DRAIN	LIN FT	\$10.00	37000	\$370,000.00
41	2501.502	18" CS PIPE APRON	EACH	\$850.00	46	\$39,100.00
42	2501.502	24" RC PIPE APRON	EACH	\$1,000.00	22	\$22,000.00
43	2501.503	18" CS PIPE CULVERT	LIN FT	\$75.00	1840	\$138,000.00
44	2501.503	24" RC PIPE CULVERT	LIN FT	\$85.00	880	\$74,800.00
45	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN DROP INLET 8"	EACH	\$500.00	10	\$5,000.00
46	2511.509	RANDOM RIPRAP CLASS III	TON	\$60.00	1200	\$72,000.00
47	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00	1112	\$83,400.00
48	2545.501	LIGHTING SYSTEM "A"	LUMP SUM	\$425,000.00	1.0	\$425,000.00
49	2545.501	LIGHTING SYSTEM "B"	LUMP SUM	\$400,000.00	1.0	\$400,000.00
50	2545.601	ELECTRIC CHARGING STATION DESIGN SPECIAL	LUMP SUM	\$350,000.00	1.0	\$350,000.00
51	2557.503	WIRE FENCE DESIGN S-1/W-1	LIN FT	\$25.00	8000	\$200,000.00
52	2557.503	WIRE FENCE DESIGN 72V-9322	LIN FT	\$50.00	2900	\$145,000.00
53	2564.618	SIGN TYPE C	SQ YD	\$320.00	95	\$30,400.00
54	2563.601	TRAFFIC CONTROL	LUMP SUM	\$120,000.00	1.0	\$120,000.00
55	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	\$25,000.00	1.0	\$25,000.00
56	2573.502	STORM DRAIN INLET PROTECTION (TYPE D)	EACH	\$1,200.00	10	\$12,000.00
57	2573.502	CULVERT INLET END CONTROL	EACH	\$130.00	34	\$4,420.00
58	2573.503	SILT FENCE, TYPE MS	LIN FT	\$2.50	36000	\$90,000.00
59	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$4.00	3500	\$14,000.00
60	2573.510	SEDIMENT REMOVAL BACKHOE	HOUR	\$175.00	10	\$1,750.00
61	2574.508	FERTILIZER TYPE 1	POUND	\$1.80	1920	\$3,456.00
62	2574.609	COMMON TOPSOIL BORROW	TON	\$20.00	500	\$10,000.00
63	2575.504	RAPID STABILIZATION METHOD 4	SQ YD	\$2.50	92640	\$231,600.00
64	2575.505	SEEDING	ACRE	\$300.00	38	\$11,400.00
65	2575.505	DISK ANCHORING	ACRE	\$65.00	38	\$2,470.00
66	2575.508	SEED MIXTURE 25-131	POUND	\$5.00	1130	\$5,650.00
67	2575.508	SEED MIXTURE 25-142	POUND	\$5.00	1130	\$5,650.00
68	2575.509	MULCH MATERIAL TYPE 1	TON	\$200.00	44	\$8,800.00
69	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.15	168285	\$25,242.75
70		INFLATION - 2025 - 3.0%	LUMP SUM	\$528,000.00	1.00	\$528,000.00
71		INFLATION - 2026 - 3.0%	LUMP SUM	\$544,000.00	1.00	\$544,000.00
72		INFLATION - 2027 - 3.0%	LUMP SUM	\$560,000.00	1.00	\$560,000.00
73		INFLATION - 2028 - 3.0% (BIDDING & CONSTRUCTION AWARD)	LUMP SUM	\$577,000.00	1.00	\$577,000.00
74		ENGINEERING DESIGN AND PROJECT ADMINISTRATION (15%)	LUMP SUM	\$2,640,000.00	1.00	\$2,889,817.00
75		ENVIRONMENTAL ANALYSIS AND PERMITTING (5%)	LUMP SUM	\$880,000.00	1.00	\$963,272.00
76		HISTORICAL SITE REVIEW, EXCAVATION AND PRESERVATION	LUMP SUM	\$700,000.00	1.00	\$700,000.00
77		RIGHT-OF-WAY ACQUISITION	LUMP SUM	\$544,000.00	1.00	\$544,000.00
78		CONTINGENCY (4%)	LUMP SUM	\$1,000,000.00	1.00	\$1,000,000.00
			TOTAL			\$26,311,166.75

FUNDING SUMMARY		
	RAISE GRANT REQUEST	25,000,000.00
	REDWOOD COUNTY LOCAL SHARE: CSAH REGULAR CONSTRUCTION ACCOUNT AND LOCAL 0.5% SALES TAX	\$1,311,166.75
	TOTAL FUNDS	26,311,166.75

Anthony J. Sellner

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