

BUTTE COUNTY DEPARTMENT OF PUBLIC WORKS

PROJECT: Aguas Frias Road Bridge at Butte Creek

PROJECT LOCATION: In Butte County on Aguas Frias Road approximately 10 miles south of the City of Chico.

DESCRIPTION: In general, constructing a replacement bridge across Butte Creek on a new roadway alignment with approximately 2300 feet of reconstructed approach roadway.

ADVERTISED: March 19, 2008 **ENGINEER'S ESTIMATE =** \$7,634,070.40

BID OPENED: April 10, 2008

PROJECT NUMBER: 23201-95-1

W.O. NUMBER: 3807

NO.	BIDDER'S NAME	BID AMOUNT	% ENGINEERS ESTIMATE
1	MCM Construction, Inc. P.O. Box 620 North Highlands, CA 95660	\$7,183,500.00	-6.27
2	Shasta Constructors, Inc. P.O. Box 491539 Redding, CA 96049-1539	\$7,516,256.00	-1.57
3	Viking Construction Company 11315 Sunrise Gold Cir., Suite A Rancho Cordova, CA 95742	\$7,693,321.00	0.77
4	FCI Constructors, Inc. 2100 Goodyear Road Benicia, CA 94510	\$7,862,917.50	2.91
5	C.C. Myers, Inc. P.O. Box 2948 Rancho Cordova, CA 95741	\$8,210,631.00	7.02
6	Granite Construction Company P.O. Box 50085 Watsonville, CA 950773	\$8,700,430.00	12.26

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		1		2			
CONTRACT ITEMS		ENGINEER'S ESTIMATE		Shasta Constructors, Inc. P.O. Box 491539 Redding, CA 96049-1539			
NO.	ITEMS	QUANTITY	UNIT	COST	TOTAL	COST	TOTAL
1	On-site construction trailer	1.00	LS	\$20,000.00	\$20,000.00	\$30,000.00	\$30,000.00
2	Progress schedule (Critical Path Method)	1.00	LS	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00
3	Temporary fence (Type ESA)	520.00	M	\$12.00	\$6,240.00	\$7.00	\$3,640.00
4 S	Construction site management	1.00	LS	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00
5 S	Prepare storm water pollution prevention plan	1.00	LS	\$4,000.00	\$4,000.00	\$2,000.00	\$2,000.00
6 S	Temporary fiber roll	1,500.00	M	\$8.00	\$12,000.00	\$7.00	\$10,500.00
7 S	Temporary silt fence	2,510.00	M	\$12.00	\$30,120.00	\$7.00	\$17,570.00
8 S	Temporary concrete washout facility	4.00	EA	\$3,000.00	\$12,000.00	\$3,000.00	\$12,000.00
9 S	Temporary construction entrance	4.00	EA	\$2,000.00	\$8,000.00	\$3,000.00	\$12,000.00
10 S	Construction area signs	1.00	LS	\$10,000.00	\$10,000.00	\$4,500.00	\$4,500.00
11 S	Traffic control system	1.00	LS	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00
12	Temporary pavement markings	5.00	M2	\$50.00	\$250.00	\$180.00	\$90.00
13 S	Temporary railing (Type K)	98.00	M	\$150.00	\$14,700.00	\$100.00	\$9,800.00
14	Abandon culvert	130.00	M	\$250.00	\$32,500.00	\$92.00	\$11,960.00
15	Obliterate surfacing	360.00	M2	\$12.00	\$4,320.00	\$10.00	\$3,600.00
16	Remove metal beam guard railing	16.00	M	\$50.00	\$800.00	\$65.00	\$1,040.00
17	Remove culvert	11.00	M	\$200.00	\$2,200.00	\$194.00	\$2,134.00
18	Remove headwall	4.00	EA	\$1,000.00	\$4,000.00	\$480.00	\$1,920.00
19	Salvage levee gate	3.00	EA	\$400.00	\$1,200.00	\$550.00	\$1,650.00
20	Salvage roadside sign	16.00	EA	\$150.00	\$2,400.00	\$150.00	\$2,400.00
21	Bridge removal, location A	1.00	LS	\$7,500.00	\$7,500.00	\$11,000.00	\$11,000.00
22	Bridge removal, location B	1.00	EA	\$42,000.00	\$42,000.00	\$60,000.00	\$60,000.00
23	Clearing and grubbing	1.00	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
24	Develop water supply	1.00	LS	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
25	Roadway excavation	2,410.00	M3	\$30.00	\$72,300.00	\$14.50	\$34,945.00
26 F	Structure excavation (Bridge)	234.00	M3	\$130.00	\$30,420.00	\$30.00	\$7,020.00
27 F	Structure excavation (Type D)	87.00	M3	\$285.00	\$24,795.00	\$1,200.00	\$104,400.00
28	Structure backfill (Bridge)	131.00	M3	\$170.00	\$22,270.00	\$110.00	\$14,410.00
29	Ditch excavation	860.00	M3	\$40.00	\$34,400.00	\$14.50	\$12,470.00
30	Imported borrow	31,400.00	M3	\$42.00	\$1,318,800.00	\$28.65	\$899,610.00
31 S	Revegetation and tree planting	1.00	LS	\$72,000.00	\$72,000.00	\$130,000.00	\$130,000.00
32 S	Erosion control (Type D)	28,900.00	M2	\$1.00	\$28,900.00	\$1.00	\$28,900.00
33 S	Move-in/move-out (Erosion control)	4.00	EA	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00
34	Class 2 aggregate base	4,920.00	TONNE	\$25.00	\$123,000.00	\$25.65	\$126,198.00
				\$1,992,115.00	\$1,606,067.00	\$2,155,121.00	\$2,155,121.00

SUBTOTAL THIS SHEET
 SHEET 2 OF 7

BUTTE COUNTY DEPARTMENT OF PUBLIC WORKS

PROJECT: Aguas Frias Road Bridge at Butte Creek
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 DESCRIPTION: In general, constructing a replacement bridge across Butte Creek on a new roadway alignment with approximately 2300 feet of reconstructed approach roadway.

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 W.O. NUMBER: 3807

		1			2		
CONTRACT ITEMS		ENGINEER'S ESTIMATE			Shasta Constructors, Inc. P.O. Box 491539 Redding, CA 96049-1539		
NO.	ITEMS	QUANTITY	UNIT	COST	TOTAL	COST	TOTAL
35	Hot mix asphalt (Type B)	710.00	TONNE	\$100.00	\$71,000.00	\$95.00	\$67,450.00
36	2.1 M CIDH concrete piling	265.00	M	\$4,200.00	\$1,113,000.00	\$4,000.00	\$1,060,000.00
37 P	Furnish piling (Class 625)	436.00	M	\$100.00	\$43,600.00	\$87.00	\$37,932.00
38	Drive pile (Class 625)	24.00	EA	\$2,500.00	\$60,000.00	\$3,000.00	\$72,000.00
39 S	Prestressing cast-in-place concrete	1.00	LS	\$173,600.00	\$173,600.00	\$185,000.00	\$185,000.00
40 F	Structural concrete, bridge footing	35.00	M3	\$750.00	\$26,250.00	\$500.00	\$17,500.00
41 F	Structural concrete, bridge	1,802.00	M3	\$1,000.00	\$1,802,000.00	\$1,123.00	\$2,023,646.00
42 F	Structural concrete, approach slab (Type N)	36.00	M3	\$950.00	\$34,200.00	\$900.00	\$32,400.00
43 F	Class 4 concrete (Pipe cover)	300.00	M3	\$300.00	\$90,000.00	\$142.00	\$42,600.00
44 F	Minor concrete (Minor structure)	50.00	M3	\$2,500.00	\$125,000.00	\$2,000.00	\$100,000.00
45 S-P	PTFE Spherical bearing	8.00	EA	\$5,000.00	\$40,000.00	\$4,000.00	\$32,000.00
46 P	Joint seal assembly (MR 161 MM - 240 MM)	18.00	M	\$3,200.00	\$57,600.00	\$4,000.00	\$72,000.00
47 F-P	Bar reinforcing steel (Bridge)	422,510.00	KG	\$1.90	\$802,769.00	\$2.00	\$845,020.00
48 P	450 MM Reinforced concrete pipe	99.00	M	\$450.00	\$44,550.00	\$135.00	\$13,365.00
49 P	750 MM Reinforced concrete pipe	110.00	M	\$600.00	\$66,000.00	\$380.00	\$41,800.00
50	450 MM Slide headgate & thimble	2.00	EA	\$4,000.00	\$8,000.00	\$3,000.00	\$6,000.00
51	750 MM Slide headgate	3.00	EA	\$5,500.00	\$16,500.00	\$5,000.00	\$15,000.00
52	Rock slope protection (Backing No. 2, Method B)	220.00	TONNE	\$100.00	\$22,000.00	\$53.50	\$11,770.00
53	Catwalk	1.00	EA	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00
54	Delineator (Class 1)	40.00	EA	\$35.00	\$1,400.00	\$50.00	\$2,000.00
55	Object marker (Type P)	12.00	EA	\$75.00	\$900.00	\$75.00	\$900.00
56 S-P	Metal beam guard railing (Wood Post)	470.00	M	\$125.00	\$58,750.00	\$67.00	\$31,490.00
57 F	Concrete barrier (Type 736)	667.00	M	\$350.00	\$233,450.00	\$175.00	\$116,725.00
58 S-P	Transition railing (Type WB)	4.00	EA	\$3,500.00	\$14,000.00	\$3,350.00	\$13,400.00
59 S-P	Alternative flared terminal system	12.00	EA	\$2,500.00	\$30,000.00	\$2,100.00	\$25,200.00
60 S	100 MM Thermoplastic traffic stripe	3,830.00	M	\$2.00	\$7,660.00	\$2.00	\$7,660.00
61 S	Pavement marker (Retroreflective)	180.00	EA	\$4.00	\$720.00	\$10.00	\$1,800.00
62	Mobilization	1.00	LS	\$694,006.40	\$694,006.40	\$697,775.00	\$697,775.00
TOTAL FROM SHEET 2				\$1,992,115.00	\$1,606,067.00		\$2,155,121.00
TOTAL BID				\$7,634,070.40	\$7,183,500.00		\$7,516,256.00
SHEET 3 OF 7					-6.27		-1.57

BUTTE COUNTY DEPARTMENT OF PUBLIC WORKS

PROJECT: Aguas Frias Road Bridge at Butte Creek
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NO.	ITEMS	ENGINEER'S ESTIMATE		3		4		5	
		QUANTITY	UNIT	COST	TOTAL	COST	TOTAL		COST
	CONTRACT ITEMS								
1	On-site construction trailer	1.00	LS	\$25,000.00	\$25,000.00	\$45,000.00	\$45,000.00	\$30,000.00	\$30,000.00
2	Progress schedule (Critical Path Method)	1.00	LS	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
3	Temporary fence (Type ESA)	520.00	M	\$11.00	\$5,720.00	\$20.00	\$10,400.00	\$10.00	\$5,200.00
4 S	Construction site management	1.00	LS	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00
5 S	Prepare storm water pollution prevention plan	1.00	LS	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00
6 S	Temporary fiber roll	1,500.00	M	\$12.00	\$18,000.00	\$10.00	\$15,000.00	\$7.00	\$10,500.00
7 S	Temporary silt fence	2,510.00	M	\$9.00	\$22,590.00	\$10.00	\$25,100.00	\$4.00	\$10,040.00
8 S	Temporary concrete washout facility	4.00	EA	\$3,000.00	\$12,000.00	\$3,500.00	\$14,000.00	\$700.00	\$2,800.00
9 S	Temporary construction entrance	4.00	EA	\$5,000.00	\$20,000.00	\$4,000.00	\$16,000.00	\$9,000.00	\$36,000.00
10 S	Construction area signs	1.00	LS	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
11 S	Traffic control system	1.00	LS	\$30,000.00	\$30,000.00	\$45,000.00	\$45,000.00	\$15,000.00	\$15,000.00
12	Temporary pavement markings	5.00	M2	\$200.00	\$1,000.00	\$180.00	\$900.00	\$180.00	\$900.00
13 S	Temporary railing (Type K)	98.00	M	\$200.00	\$19,600.00	\$60.00	\$5,880.00	\$130.00	\$12,740.00
14	Abandon culvert	130.00	M	\$100.00	\$13,000.00	\$50.00	\$6,500.00	\$60.00	\$7,800.00
15	Obliterate surfacing	360.00	M2	\$10.00	\$3,600.00	\$10.00	\$3,600.00	\$7.00	\$2,520.00
16	Remove metal beam guard railing	16.00	M	\$100.00	\$1,600.00	\$400.00	\$6,400.00	\$65.00	\$1,040.00
17	Remove culvert	11.00	M	\$200.00	\$2,200.00	\$300.00	\$3,300.00	\$95.00	\$1,045.00
18	Remove headwall	4.00	EA	\$500.00	\$2,000.00	\$2,000.00	\$8,000.00	\$2,000.00	\$8,000.00
19	Salvage levee gate	3.00	EA	\$2,000.00	\$6,000.00	\$500.00	\$1,500.00	\$3,500.00	\$10,500.00
20	Salvage roadside sign	16.00	EA	\$300.00	\$4,800.00	\$80.00	\$1,280.00	\$100.00	\$1,600.00
21	Bridge removal, location A	1.00	LS	\$10,000.00	\$10,000.00	\$19,000.00	\$19,000.00	\$15,000.00	\$15,000.00
22	Bridge removal, location B	1.00	EA	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00
23	Clearing and grubbing	1.00	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
24	Develop water supply	1.00	LS	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
25	Roadway excavation	2,410.00	M3	\$18.00	\$43,380.00	\$42.00	\$101,220.00	\$92.00	\$221,720.00
26 F	Structure excavation (Bridge)	234.00	M3	\$100.00	\$23,400.00	\$60.00	\$14,040.00	\$50.00	\$11,700.00
27 F	Structure excavation (Type D)	87.00	M3	\$600.00	\$52,200.00	\$175.00	\$15,225.00	\$500.00	\$43,500.00
28	Structure backfill (Bridge)	131.00	M3	\$100.00	\$13,100.00	\$300.00	\$39,300.00	\$125.00	\$16,375.00
29	Ditch excavation	860.00	M3	\$18.00	\$15,480.00	\$15.00	\$12,900.00	\$45.00	\$38,700.00
30	Imported borrow	31,400.00	M3	\$25.00	\$785,000.00	\$26.00	\$816,400.00	\$33.00	\$1,036,200.00
31 S	Revegetation and tree planting	1.00	LS	\$400,000.00	\$400,000.00	\$145,000.00	\$145,000.00	\$350,000.00	\$350,000.00
32 S	Erosion control (Type D)	28,900.00	M2	\$1.50	\$43,350.00	\$1.00	\$28,900.00	\$1.50	\$43,350.00
33 S	Move-in/move-out (Erosion control)	4.00	EA	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00
34	Class 2 aggregate base	4,920.00	TONNE	\$30.00	\$147,600.00	\$33.00	\$162,360.00	\$32.00	\$157,440.00
	SUBTOTAL THIS SHEET				\$1,795,620.00		\$1,664,205.00		\$2,156,670.00
	SHEET 4 OF 7								

BUTTE COUNTY DEPARTMENT OF PUBLIC WORKS

ADVERTISED: March 19, 2008
 BID OPENED: April 10, 2008
 PROJECT NUMBER 23201-95-1
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PROJECT: Aguas Frias Road Bridge at Butte Creek
 PROJECT LOCATION: In Butte County on Aguas Frias Road approximately 10 miles south of the City of Chico.
 DESCRIPTION: In general, constructing a replacement bridge across Butte Creek on a new roadway alignment with approximately 2300 feet of reconstructed approach roadway.

		6		7		8	
CONTRACT ITEMS		ENGINEER'S ESTIMATE		Granite Construction Company P.O. Box 50085 Watsonville, CA 950773			
NO.	ITEMS	QUANTITY	UNIT	COST	TOTAL	COST	TOTAL
1	On-site construction trailer	1.00	LS	\$80,000.00	\$80,000.00	\$0.00	\$0.00
2	Progress schedule (Critical Path Method)	1.00	LS	\$1,500.00	\$1,500.00	\$0.00	\$0.00
3	Temporary fence (Type ESA)	520.00	M	\$7.00	\$3,640.00	\$0.00	\$0.00
4 S	Construction site management	1.00	LS	\$25,000.00	\$25,000.00	\$0.00	\$0.00
5 S	Prepare storm water pollution prevention plan	1.00	LS	\$5,000.00	\$5,000.00	\$0.00	\$0.00
6 S	Temporary fiber roll	1,500.00	M	\$8.00	\$12,000.00	\$0.00	\$0.00
7 S	Temporary silt fence	2,510.00	M	\$8.00	\$20,080.00	\$0.00	\$0.00
8 S	Temporary concrete washout facility	4.00	EA	\$2,500.00	\$10,000.00	\$0.00	\$0.00
9 S	Temporary construction entrance	4.00	EA	\$4,500.00	\$18,000.00	\$0.00	\$0.00
10 S	Construction area signs	1.00	LS	\$3,500.00	\$3,500.00	\$0.00	\$0.00
11 S	Traffic control system	1.00	LS	\$54,400.00	\$54,400.00	\$0.00	\$0.00
12	Temporary pavement markings	5.00	M2	\$180.00	\$900.00	\$0.00	\$0.00
13 S	Temporary railing (Type K)	98.00	M	\$200.00	\$19,600.00	\$0.00	\$0.00
14	Abandon culvert	130.00	M	\$75.00	\$9,750.00	\$0.00	\$0.00
15	Obliterate surfacing	360.00	M2	\$20.00	\$7,200.00	\$0.00	\$0.00
16	Remove metal beam guard railing	16.00	M	\$200.00	\$3,200.00	\$0.00	\$0.00
17	Remove culvert	11.00	M	\$100.00	\$1,100.00	\$0.00	\$0.00
18	Remove headwall	4.00	EA	\$2,500.00	\$10,000.00	\$0.00	\$0.00
19	Salvage levee gate	3.00	EA	\$1,000.00	\$3,000.00	\$0.00	\$0.00
20	Salvage roadside sign	16.00	EA	\$100.00	\$1,600.00	\$0.00	\$0.00
21	Bridge removal, location A	1.00	LS	\$16,000.00	\$16,000.00	\$0.00	\$0.00
22	Bridge removal, location B	1.00	EA	\$30,000.00	\$30,000.00	\$0.00	\$0.00
23	Clearing and grubbing	1.00	LS	\$5,000.00	\$5,000.00	\$0.00	\$0.00
24	Develop water supply	1.00	LS	\$4,000.00	\$4,000.00	\$0.00	\$0.00
25	Roadway excavation	2,410.00	M3	\$75.00	\$180,750.00	\$0.00	\$0.00
26 F	Structure excavation (Bridge)	234.00	M3	\$75.00	\$17,550.00	\$0.00	\$0.00
27 F	Structure excavation (Type D)	87.00	M3	\$500.00	\$43,500.00	\$0.00	\$0.00
28	Structure backfill (Bridge)	131.00	M3	\$400.00	\$52,400.00	\$0.00	\$0.00
29	Ditch excavation	860.00	M3	\$60.00	\$51,600.00	\$0.00	\$0.00
30	Imported borrow	31,400.00	M3	\$25.00	\$785,000.00	\$0.00	\$0.00
31 S	Revegetation and tree planting	1.00	LS	\$150,000.00	\$150,000.00	\$0.00	\$0.00
32 S	Erosion control (Type D)	28,900.00	M2	\$1.00	\$28,900.00	\$0.00	\$0.00
33 S	Move-in/move-out (Erosion control)	4.00	EA	\$1,000.00	\$4,000.00	\$0.00	\$0.00
34	Class 2 aggregate base	4,920.00	TONNE	\$30.00	\$147,600.00	\$0.00	\$0.00
				\$1,805,770.00	\$0.00	\$0.00	\$0.00

SUBTOTAL THIS SHEET
 SHEET 6 OF 7

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NO.	ITEMS	QUANTITY	UNIT	COST	TOTAL	COST	TOTAL
35	Hot mix asphalt (Type B)	710.00	TONNE	\$100.00	\$71,000.00		\$0.00
36	2.1 M CIDH concrete piling	265.00	M	\$5,500.00	\$1,457,500.00		\$0.00
37 P	Furnish piling (Class 625)	436.00	M	\$425.00	\$185,300.00		\$0.00
38	Drive pile (Class 625)	24.00	EA	\$1,500.00	\$36,000.00		\$0.00
39 S	Prestressing cast-in-place concrete	1.00	LS	\$350,000.00	\$350,000.00		\$0.00
40 F	Structural concrete, bridge footing	35.00	M3	\$600.00	\$21,000.00		\$0.00
41 F	Structural concrete, bridge	1,802.00	M3	\$1,200.00	\$2,162,400.00		\$0.00
42 F	Structural concrete, approach slab (Type N)	36.00	M3	\$750.00	\$27,000.00		\$0.00
43 F	Class 4 concrete (Pipe cover)	300.00	M3	\$200.00	\$60,000.00		\$0.00
44 F	Minor concrete (Minor structure)	50.00	M3	\$3,500.00	\$175,000.00		\$0.00
45 S-P	PTFE Spherical bearing	8.00	EA	\$4,000.00	\$32,000.00		\$0.00
46 P	Joint seal assembly (MR 161 MM - 240 MM)	18.00	M	\$4,000.00	\$72,000.00		\$0.00
47 F-P	Bar reinforcing steel (Bridge)	422,510.00	KG	\$3.00	\$1,267,530.00		\$0.00
48 P	450 MM Reinforced concrete pipe	99.00	M	\$250.00	\$24,750.00		\$0.00
49 P	750 MM Reinforced concrete pipe	110.00	M	\$700.00	\$77,000.00		\$0.00
50	450 MM Slide headgate & thimble	2.00	EA	\$5,000.00	\$10,000.00		\$0.00
51	750 MM Slide headgate	3.00	EA	\$7,500.00	\$22,500.00		\$0.00
52	Rock slope protection (Backing No. 2, Method B)	220.00	TONNE	\$60.00	\$13,200.00		\$0.00
53	Catwalk	1.00	EA	\$25,000.00	\$25,000.00		\$0.00
54	Delineator (Class 1)	40.00	EA	\$38.00	\$1,520.00		\$0.00
55	Object marker (Type P)	12.00	EA	\$75.00	\$900.00		\$0.00
56 S-P	Metal beam guard railing (Wood Post)	470.00	M	\$70.00	\$32,900.00		\$0.00
57 F	Concrete barrier (Type 736)	667.00	M	\$100.00	\$66,700.00		\$0.00
58 S-P	Transition railing (Type WB)	4.00	EA	\$3,500.00	\$14,000.00		\$0.00
59 S-P	Alternative flared terminal system	12.00	EA	\$2,500.00	\$30,000.00		\$0.00
60 S	100 MM Thermoplastic traffic stripe	3,830.00	M	\$2.00	\$7,660.00		\$0.00
61 S	Pavement marker (Retroreflective)	180.00	EA	\$10.00	\$1,800.00		\$0.00
62	Mobilization	1.00	LS	\$650,000.00	\$650,000.00		\$0.00
TOTAL FROM SHEET 6					\$1,805,770.00		\$0.00

TOTAL BID \$8,700,430.00
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