

LARIMER COUNTY BID #B16-08
 FISH CREEK ROAD PUBLIC INFRASTRUCTURE PROJECT - PN#9339
 ENGINEERING DEPARTMENT
 WEDNESDAY, OCTOBER 5, 2016 2:00 P.M.

Bids to consider repairing the damaged portions of Fish Creek Road, ten public access roads, and Fish Creek trail (16,000 LF) that were damaged during the September 2013 flood for the Larimer County Engineering Department were received and opened on Wednesday, October 5, 2016 at 2:00 p.m. in the Purchasing Department. Bids were opened by Les Brown, Purchasing Agent, and recorded by Whitney Wilson, Department Specialist. The following bids were received:

VENDOR	Revised Bid Schedule Rev. #4
SEMA Construction Inc.	Bid Sched A: \$11,339,390.90 Bid Sched B: <u>\$145,385.00</u> Total: \$11,484,775.90
Zak Dirt	Bid Sched A: \$11,547,669.85 Bid Sched B: <u>\$149,562.00</u> Total: \$11,697,231.85
Lawrence Construction Company	Bid Sched A: \$12,155,682.17 Bid Sched B: <u>\$156,234.49</u> Total: \$12,311,916.66
American Civil Constructors	Bid Sched A: \$13,030,068.00 Bid Sched B: <u>\$127,433.00</u> Total: \$13,157,501.00
Dietzler Construction Corp.	Bid Sched A: \$13,117,333.20 Bid Sched B: <u>\$129,892.90</u> Total: \$13,247,226.10
Duran Excavating Inc.	Bid Sched A: \$13,972,705.90 Bid Sched B: <u>\$169,696.00</u> Total: \$14,142,401.90
Concrete Works of Co. Inc.	Bid Sched A: \$14,509,018.50 Bid Sched B: <u>\$142,092.00</u> Total: \$14,651,110.50
ESCO Construction	Bid Sched A: \$17,578,297.22 Bid Sched B: <u>\$196,785.00</u> Total: \$17,775,082.22

No decision of award was made pending review and recommendation by the Larimer County Engineering Department.

The Larimer County Engineering Department reviewed the bids and recommends accepting the bid from SEMA Construction Inc. as per the attached departmental recommendation.

The Larimer County Purchasing Department concurs with the above recommendations.


 Heather MacMillan
 Purchasing Director



Carol L. Block, Financial Services Director
 For the Board of Larimer County Commissioners



PURCHASING DEPARTMENT

200 W. Oak Street, Suite 4000
Fort Collins, Colorado 80521
(970) 498-5955
Fax (970) 498-5942

TO: Rusty McDaniel, Assistant County Engineer
Kyle Arend, Senior Civil Engineering

FROM: Les Brown, Purchasing Agent I

DATE: October 5, 2016

SUBJECT: B16-08 Fish Creek Road Public Infrastructure Project PN#9339

Transmitted for your review and recommendation, are the bids received to consider the work consists of repairing the damaged portions of Fish Creek Road, ten public access roads, and Fish Creek trail (16,000 LF) that were damaged during the September 2013 flood. The total length of the Fish Creek Road corridor is approximately 4.5 miles from Highway 7 (SH 7) to U.S. Highway 36 (US 36) in and near Estes Park, Colorado. The total length of the damaged segments of Fish Creek Road is approximately 1.5 miles and the total length of damaged trail is 3.1 miles. The work includes culvert replacements, concrete box culverts, riprap, pedestrian bridges, retaining walls, creek stabilization, road resurfacing, grading, soft surface trail, concrete sidewalk, and curb and gutter.

When you have completed your review of the bids, please prepare your recommendation on this form and return the form to me. If you do not recommend awarding the bid to the lowest bidder, please explain why. This document will be considered a public record and open to inspection.

I recommend SEMA Construction, Inc. in the amount of \$11,484,775.90

for the following reasons: Lowest responsible bid selected through a competitive bid process.

THIS RECOMMENDATION MUST BE SIGNED BY THE DEPARTMENT HEAD



DEPARTMENT HEAD SIGNATURE

Engineering 10/07/2016
DEPARTMENT DATE

Thank you.

Project Bid Unit Price Comparison

Bid Opening: 06-Oct-16

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	SEMA Construction	ZAK Dirt Inc.	Lawrence Construction	ACC LCC	Dietzler Construction	Duran Excavating	Ref No.
1	201	Clearing and Grubbing	1	LS	150,000.00	\$140,000.00	46,350.54	75,000.00	277,000.00	100,000.00	1
2	202	Removal of Structure	2	EA	2,700.00	\$5,000.00	13,806.66	4,000.00	10,000.00	10,142.00	2
3	202	Removal of Tree (4"-12")	363	EA	220.00	\$165.00	253.53	340.00	200.00	275.00	3
4	202	Removal of Wall	1480	LF	23.00	\$24.00	62.12	16.00	30.00	10.00	4
5	202	Removal of Riprap	528	CY	15.00	\$15.00	13.89	9.00	40.00	16.00	5
6	202	Removal of Pipe	34	EA	1,200.00	\$1,300.00	1,640.53	2,100.00	400.00	540.00	6
7	202	Removal of Ground Sign	47	EA	100.00	\$60.00	112.74	57.00	70.00	55.00	7
8	202	Removal of Sidewalk	3133	SY	14.00	\$7.00	14.56	9.00	20.00	10.00	8
9	202	Removal of C & G	933	LF	9.00	\$4.50	6.01	6.00	20.00	6.00	9
10	202	Removal of Asphalt Mat	777	SY	26.00	\$20.00	51.38	23.00	70.00	10.00	10
11	202	Removal of Bridge	1	EA	30,000.00	\$25,000.00	42,629.40	20,000.00	20,000.00	18,722.00	11
12	202	Removal of Bridge (Spec)	4	EA	4,000.00	\$2,500.00	3,520.59	3,000.00	10,000.00	7,304.00	12
13	202	Removal of Fence	127	LF	6.50	\$7.50	1.97	3.00	10.00	7.00	13
14	202	Removal of GR Type 3	323	LF	7.50	\$8.50	8.12	4.00	15.00	8.00	14
15	202	Removal of Ped Rail	133	LF	10.00	\$5.00	10.15	12.00	15.00	9.00	15
16	202	Removal of End Anchorage	3	EA	200.00	\$650.00	219.85	280.00	150.00	220.00	16
17	203	Uncl Exc (Cmpl In Place)	25198	CY	9.00	\$11.50	14.44	19.00	7.00	23.00	17
18	203	Muck Excavation	400	CY	60.00	\$50.00	13.40	60.00	7.00	100.00	18
19	203	Borrow (CIP) (R=25)	19369	CY	9.00	\$12.10	10.55	14.00	32.00	50.00	19
20	203	Rock Excavation (CIP)	400	CY	40.00	\$35.00	49.43	65.00	70.00	83.00	20
21	206	Structure Excavation (CIP)	8438	CY	9.00	\$15.00	14.89	15.00	20.00	13.00	21
22	206	Struct Backfill (Class 1)	4587	CY	50.00	\$59.00	62.78	40.00	35.00	45.00	22
23	206	Struct Backfill (Class 2)	1223	CY	9.00	\$20.00	19.06	20.00	35.00	20.00	23
24	206	Shoring	1	LS	375,000.00	\$350,000.00	475,703.69	350,000.00	400,000.00	291,280.00	24
25	207	Topsoil Import (CIP)	2000	CY	35.00	\$45.00	42.43	16.50	45.00	52.00	25
26	208	Erosion Log (12")	18589	LF	3.30	\$4.50	3.64	5.00	2.00	4.00	26
27	208	Stabilized Const. Entrance	18	EA	2,400.00	\$2,000.00	3,048.22	2,000.00	1,000.00	2,656.00	27
28	208	Erosion Control Supervisor	1	LS	25,000.00	\$65,000.00	50,083.76	25,000.00	40,000.00	42,000.00	28
29	208	Check Dam	71	EA	350.00	\$450.00	84.55	375.00	50.00	83.00	29
30	210	Reset Structure	2	EA	7,500.00	\$5,000.00	12,308.03	6,000.00	10,000.00	14,454.00	30
31	210	Reset Mailbox (Type 1)	3	EA	380.00	\$450.00	417.15	170.00	100.00	165.00	31
32	208	Reset Fence	1882	LF	11.00	\$12.00	4.23	5.00	8.00	12.00	32
33	210	Adjust Manhole	19	EA	1,000.00	\$690.00	293.20	600.00	1,000.00	605.00	33
34	210	Modify Manhole	5	EA	1,400.00	\$1,700.00	4,469.08	750.00	600.00	1,551.00	34
35	210	Adjust Valve Box	2	EA	500.00	\$325.00	230.01	250.00	100.00	440.00	35
36	212	Seeding (Native)	15	AC	1,400.00	\$4,500.00	1,803.87	1,425.00	500.00	1,760.00	36
37	212	Seeding (Riparian)	3	AC	2,300.00	\$5,500.00	2,623.50	900.00	1,000.00	2,600.00	37
38	212	Soil Conditioning	18	AC	1,900.00	\$2,300.00	3,607.75	3,000.00	2,000.00	3,600.00	38
39	212	Stream Baffles	306	EA	170.00	\$125.00	132.57	80.00	50.00	110.00	39
40	213	Landscape Log	548	LF	14.00	\$71.00	52.61	30.00	80.00	105.00	40
41	213	Root Barrier (12 Inch)	2455	LF	23.00	\$35.00	69.35	35.00	15.00	43.00	41
42	214	Willow Cuttings	15529	EA	2.90	\$2.60	2.54	4.00	1.50	3.00	42
43	216	Soil Retnt Blanket (Straw)	1651	SY	1.60	\$2.40	2.54	2.00	5.00	2.50	43
44	216	Soil Retntn Blanket (S/C)	6020	SY	1.80	\$4.25	2.74	2.00	3.00	9.00	44
45	216	Soil Retntn Blanket (Spec)	6022	SY	7.50	\$9.75	9.02	4.00	3.00	2.75	45
46	216	Turf Rnfd Mat (Class 1)	110	SY	7.00	\$8.50	6.97	4.20	7.00	7.00	46
47	304	ABC (Class 5)	11596	TON	30.00	\$30.00	35.41	35.00	30.00	35.00	47
48	304	Crusher Fines	1760	TON	33.00	\$52.00	44.40	32.00	35.00	35.00	48
49	305	Recycled Asphalt Pavement	652	TON	20.00	\$23.00	26.81	35.00	90.00	12.00	49
50	305	Recycle Pavement Section	18640	SY	3.50	\$4.55	4.98	6.50	3.00	5.00	50
51	403	HMA (Patch) (Gr S) (Asph)	55	TON	250.00	\$250.00	253.66	250.00	140.00	250.00	51
52	403	HBP (Gr S)(As)(75)(58-28)	4919	TON	84.00	\$85.00	90.19	91.00	70.00	90.00	52
53	403	HMA (Gr SX)(As)(75)(58-28)	5708	TON	86.00	\$87.00	92.45	93.00	75.00	91.00	53
54	501	Sheet Piling (Type II)	10561	SF	24.00	\$27.00	19.51	24.00	40.00	37.00	54
55	502	Drl Hole to Fac Pile Drvg	260	LF	56.00	\$75.00	100.00	225.00	125.00	108.00	55
56	502	Steel Piling (HP 12X74)	150	LF	49.00	\$67.00	48.25	70.00	155.00	75.00	56
57	502	Steel Piling (HP 14x89)	134	LF	63.00	\$95.00	57.73	87.00	170.00	92.00	57

Project Bid Unit Price Comparison

Bid Opening: 06-Oct-16

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	SEMA Construction	ZAK Dirt Inc.	Lawrence Construction	ACC LCC	Dietzler Construction	Duran Excavating	Ref No.
58	502	Tie-backs	6396	LF	48.00	\$54.00	65.36	54.00	80.00	67.00	58
59	504	Decorative Wall Facing	7108	SF	18.00	\$18.00	19.97	50.00	25.00	28.00	59
60	504	Retaining Wall (Block)	502	SF	50.00	\$45.00	73.28	33.00	50.00	43.00	60
61	504	Retaining Wall (Boulder)	1187	SF	35.00	\$68.00	24.64	14.00	25.00	53.00	61
62	506	Riprap (9")	199	CY	70.00	\$130.00	120.55	60.00	150.00	86.00	62
63	506	Riprap Boulder (1 ton)	2081	EA	150.00	\$150.00	120.40	40.00	115.00	138.00	63
64	506	Soil Riprap (12 inch)	2452	CY	70.00	\$65.00	111.57	50.00	120.00	61.00	64
65	506	Soil Riprap (18 inch)	2068	CY	70.00	\$66.00	113.18	50.00	120.00	63.00	65
66	506	Soil Riprap (24 inch)	517	CY	85.00	\$83.00	147.91	50.00	215.00	99.00	66
67	509	Structural Steel	19366	LB	3.00	\$4.00	4.53	3.50	1.00	1.50	67
68	514	Ped Bridge Rail (Special)	2076	LF	81.00	\$95.00	109.67	141.00	70.00	185.00	68
69	514	Ped Railing (Special)	305	LF	100.00	\$97.00	104.76	180.00	135.00	172.00	69
70	601	Concrete Cl D (Bridge)	77	CY	780.00	\$739.00	833.14	785.00	900.00	821.00	70
71	601	Concrete Cl D (Wall)	910	CY	610.00	\$749.00	544.68	950.00	700.00	885.00	71
72	601	Concrete Cl D (Box Culv)	799	CY	620.00	\$594.00	662.56	725.00	1,100.00	820.00	72
73	601	Concrete Class BZ	29	CY	760.00	\$327.00	297.70	475.00	900.00	567.00	73
74	602	Reinforcing Steel	252495	LB	0.74	\$0.75	0.85	0.80	0.50	1.30	74
75	602	Re-Steel (Epoxy Coated)	41812	LB	0.85	\$0.95	1.00	1.00	0.60	1.20	75
76	603	15" Reinf Conc Pipe (CIP)	24	LF	100.00	\$55.00	97.32	70.00	41.00	160.00	76
77	603	18" Reinf Conc Pipe (CIP)	887	LF	90.00	\$71.00	82.49	80.00	50.00	127.00	77
78	603	24" Reinf Conc Pipe (CIP)	755	LF	110.00	\$85.00	91.70	110.00	65.00	134.00	78
79	603	30" Reinf Conc Pipe (CIP)	247	LF	120.00	\$130.00	112.35	130.00	90.00	170.00	79
80	603	53" X 34" Ellip. RCP (CIP)	49	LF	250.00	\$245.00	246.87	260.00	200.00	307.00	80
81	603	42" Corr Steel Pipe (CIP)	312	LF	150.00	\$89.00	121.69	175.00	80.00	125.00	81
82	603	15" Rnfd Cnc End Sec (CIP)	1	EA	700.00	\$750.00	756.01	1,100.00	1,000.00	830.00	82
83	603	18" Rnfd Cnc End Sec (CIP)	12	EA	800.00	\$880.00	878.15	1,200.00	1,000.00	1,130.00	83
84	603	24" Rnfd Cnc End Sec (CIP)	11	EA	900.00	\$1,020.00	1,051.94	1,300.00	1,200.00	1,100.00	84
85	603	30" Rnfd Cnc End Sec (CIP)	1	EA	1,500.00	\$1,250.00	1,353.57	1,750.00	1,500.00	1,350.00	85
86	603	53"X34" RCP End Sect (CIP)	2	EA	2,000.00	\$2,250.00	2,251.16	3,050.00	2,500.00	2,260.00	86
87	603	8 x 5 Ft CBC (Precast)	43	LF	980.00	\$860.00	852.89	1,000.00	4,000.00	950.00	87
88	603	10 x 4 Ft CBC (Precast)	42	LF	1,150.00	\$1,060.00	1,001.76	1,500.00	4,000.00	1,062.00	88
89	603	12 x 5 Ft CBC (Precast)	41	LF	1,430.00	\$1,400.00	1,356.90	2,000.00	3,500.00	1,332.00	89
90	603	12 x 6 Ft CBC (Precast)	140	LF	1,300.00	\$1,320.00	1,359.01	2,100.00	4,500.00	1,325.00	90
91	603	14 x 5 Ft CBC (Precast)	112	LF	1,400.00	\$1,430.00	2,726.07	2,100.00	3,000.00	1,504.00	91
92	604	Inlet Type D (5 Ft)	12	EA	4,250.00	\$7,050.00	8,181.14	4,000.00	2,500.00	5,543.00	92
93	604	Inlet Type D (10')	1	EA	5,250.00	\$7,250.00	11,389.64	6,250.00	5,000.00	6,950.00	93
94	604	Inlet Type R L 15 (5 Foot)	8	EA	13,500.00	\$11,500.00	20,230.18	13,000.00	10,000.00	14,200.00	94
95	604	Inlet Type R L 5 (5 Ft)	9	EA	5,750.00	\$7,200.00	11,072.97	5,400.00	4,000.00	7,985.00	95
96	604	Inlet Type R L 5 (10 Ft)	4	EA	11,000.00	\$11,200.00	15,093.21	11,200.00	9,000.00	9,990.00	96
97	604	Inlet Type R L 10 (15 Ft)	1	EA	13,750.00	\$16,100.00	23,732.17	11,800.00	9,000.00	16,916.00	97
98	604	Manhole Slab Base (5 Ft)	1	EA	2,700.00	\$5,600.00	6,885.85	3,200.00	7,000.00	5,219.00	98
99	604	Sidewalk Chase (CIP)	16	LF	420.00	\$300.00	394.60	225.00	200.00	342.00	99
100	605	Geocomp Drain without Pipe	718	SY	24.00	\$13.00	5.64	22.00	15.00	30.00	100
101	606	GR Type 3 (6-3 Post Spa)	725	LF	28.00	\$32.00	30.22	31.00	140.00	34.00	101
102	606	End Anchorage (Flared)	3	EA	2,400.00	\$2,700.00	2,621.25	2,500.00	3,000.00	2,558.00	102
103	607	Fence (Temporary)	1250	LF	5.00	\$3.75	1.97	3.00	2.00	7.00	103
104	607	Fence Deer	7362	LF	8.50	\$7.75	5.60	22.00	4.00	10.00	104
105	608	Concrete Sidewalk (6")	5510	SY	56.00	\$65.00	55.12	75.00	45.00	85.00	105
106	608	Concrete Curb Rmp Type 1	38	EA	160.00	\$140.00	152.97	140.00	210.00	169.00	106
107	608	Concrete Curb Rmp Type 3B	218	EA	150.00	\$100.00	150.72	140.00	100.00	163.00	107
108	608	Concrete Curb Ramp Type 2A	27	EA	160.00	\$110.00	152.97	140.00	150.00	181.00	108
109	609	C & G Type 2 (Section IIB)	11847	LF	26.00	\$25.00	21.16	23.00	18.00	34.00	109
110	609	Gutter Type 2 (4')	155	LF	40.00	\$65.00	32.37	30.00	55.00	14.50	110
111	613	ElectricDuct Relocate (CIP)	12	EA	5,600.00	\$3,300.00	3,945.97	5,000.00	9,000.00	1,100.00	111
112	614	Sign Panel (Class I)	327	SF	21.00	\$23.00	22.55	14.00	20.00	14.50	112
113	614	Steel Sign Suprt (2" P&S)	647	LF	28.00	\$20.00	16.91	34.00	27.00	42.00	113
114	620	Field Office (Class 2)	1	EA	50,000.00	\$40,000.00	31,567.71	29,000.00	140,000.00	30,800.00	114

Project Bid Unit Price Comparison

Bid Opening: 06-Oct-16

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	SEMA Construction	ZAK Dirt Inc.	Lawrence Construction	ACC LCC	Dietzler Construction	Duran Excavating	Ref No.
115	620	Sanitary Facility	1	EA	1,500.00	\$6,000.00	1,127.42	3,500.00	10,000.00	4,000.00	115
116	625	Construction Surveying	1	LS	80,000.00	\$140,000.00	130,000.00	225,000.00	120,000.00	88,000.00	116
117	626	Mobilization	1	LS	1,065,000.00	\$691,000.00	475,000.00	1,250,000.00	400,000.00	805,915.00	117
118	626	Public Info Services	1	LS	15,000.00	\$25,000.00	18,615.94	20,000.00	40,000.00	11,000.00	118
119	627	Prefmd Tplst Pvt Mkg (90M)	852	SF	12.00	\$16.00	15.79	13.00	14.00	28.00	119
120	629	Install Monument Box	1	EA	500.00	\$1,500.00	3,945.97	525.00	1,000.00	1,650.00	120
121	630	Const.Traffic Control	1	LS	20,000.00	\$23,000.00	16,911.27	35,500.00	300,000.00	22,600.00	121
122	630	Flagging	3500	HR	33.00	\$25.00	34.95	28.50	25.00	34.00	122
123	630	Traffic Control Management	360	DAY	730.00	\$500.00	777.92	630.00	100.00	760.00	123
124	630	Traf Control Inspection	100	DAY	240.00	\$250.00	253.66	145.00	100.00	250.00	124
125	630	Portable Message Sign Brd	100	DAY	60.00	\$80.00	62.00	90.00	100.00	61.00	125
126	630	Conc Barrier (Temp)	2000	LF	22.00	\$16.00	32.90	40.00	41.00	54.00	126
127	700	F/A MCR	1	FA	1,000,000.00	#####	1,000,000.00	1,000,000.00	1,000,000.00	1,000,000.00	127
128	700	F/A Erosion Control	1	FA	30,000.00	\$30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	128
129	700	F/A OJT Trainee	1	FA	3,200.00	\$3,200.00	3,200.00	3,200.00	3,200.00	3,200.00	129
130	700	F/A Asph Cemnt Cost Adjust	1	FA	54,000.00	\$54,000.00	54,000.00	54,000.00	54,000.00	54,000.00	130

Number of Bids: 8	Total Bid:	\$11,339,390.90	\$11,547,669.85	\$12,155,682.17	\$13,030,068.00	\$13,117,333.20	\$13,972,705.90
Number of Contract Days: 250	% Eng. Estimate:	97.57%	99.36%	104.60%	112.12%	112.87%	120.23%
Engineer's Estimate Total Cost:	11,621,601.20						

Project Bid Unit Price Comparison

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Concrete Works of CO	ESCO Construction	Ref No.
1	201	Clearing and Grubbing	1	LS	91,500.00	\$151,000.00	1
2	202	Removal of Structure	2	EA	6,200.00	\$1,900.00	2
3	202	Removal of Tree (4"-12")	363	EA	303.00	\$200.00	3
4	202	Removal of Wall	1480	LF	21.00	\$47.00	4
5	202	Removal of Riprap	528	CY	26.50	\$31.00	5
6	202	Removal of Pipe	34	EA	1,200.00	\$1,580.00	6
7	202	Removal of Ground Sign	47	EA	58.50	\$140.00	7
8	202	Removal of Sidewalk	3133	SY	12.00	\$15.00	8
9	202	Removal of C & G	933	LF	4.25	\$12.00	9
10	202	Removal of Asphalt Mat	777	SY	27.50	\$28.00	10
11	202	Removal of Bridge	1	EA	27,200.00	\$71,400.00	11
12	202	Removal of Bridge (Spec)	4	EA	3,810.00	\$8,240.00	12
13	202	Removal of Fence	127	LF	5.70	\$9.70	13
14	202	Removal of GR Type 3	323	LF	9.15	\$26.00	14
15	202	Removal of Ped Rail	133	LF	12.50	\$22.00	15
16	202	Removal of End Anchorage	3	EA	342.00	\$1,770.00	16
17	203	Uncl Exc (Cmpl In Place)	25198	CY	27.50	\$34.00	17
18	203	Muck Excavation	400	CY	91.50	\$80.00	18
19	203	Borrow (CIP) (R=25)	19369	CY	48.00	\$40.00	19
20	203	Rock Excavation (CIP)	400	CY	75.50	\$100.00	20
21	206	Structure Excavation (CIP)	8438	CY	34.50	\$67.00	21
22	206	Struct Backfill (Class 1)	4587	CY	55.00	\$120.00	22
23	206	Struct Backfill (Class 2)	1223	CY	27.00	\$54.00	23
24	206	Shoring	1	LS	419,000.00	\$530,000.00	24
25	207	Topsoil Import (CIP)	2000	CY	49.50	\$62.00	25
26	208	Erosion Log (12")	18589	LF	3.75	\$3.81	26
27	208	Stabilized Const. Entrance	18	EA	2,280.00	\$1,770.00	27
28	208	Erosion Control Supervisor	1	LS	24,200.00	\$53,630.00	28
29	208	Check Dam	71	EA	85.50	\$480.00	29
30	210	Reset Structure	2	EA	14,100.00	\$6,950.00	30
31	210	Reset Mailbox (Type 1)	3	EA	233.00	\$120.00	31
32	208	Reset Fence	1882	LF	13.50	\$13.00	32
33	210	Adjust Manhole	19	EA	325.00	\$2,010.00	33
34	210	Modify Manhole	5	EA	1,290.00	\$3,910.00	34
35	210	Adjust Valve Box	2	EA	293.00	\$1,060.00	35
36	212	Seeding (Native)	15	AC	1,830.00	\$1,690.00	36
37	212	Seeding (Riparian)	3	AC	2,660.00	\$2,760.00	37
38	212	Soil Conditioning	18	AC	3,650.00	\$2,330.00	38
39	212	Stream Baffles	306	EA	138.00	\$150.00	39
40	213	Landscape Log	548	LF	59.50	\$130.00	40
41	213	Root Barrier (12 Inch)	2455	LF	44.49	\$130.00	41
42	214	Willow Cuttings	15529	EA	2.55	\$3.48	42
43	216	Soil Retnt Blanket (Straw)	1651	SY	2.55	\$1.89	43
44	216	Soil Retntn Blanket (S/C)	6020	SY	2.75	\$2.14	44
45	216	Soil Retntn Blanket (Spec)	6022	SY	9.15	\$9.25	45
46	216	Turf Rnfd Mat (Class 1)	110	SY	7.05	\$8.24	46
47	304	ABC (Class 5)	11596	TON	33.50	\$40.00	47
48	304	Crusher Fines	1760	TON	45.00	\$41.00	48
49	305	Recycled Asphalt Pavement	652	TON	16.00	\$36.00	49
50	305	Recycle Pavement Section	18640	SY	5.65	\$10.00	50
51	403	HMA (Patch) (Gr S) (Asph)	55	TON	257.00	\$240.00	51
52	403	HBP (Gr S)(As)(75)(58-28)	4919	TON	91.50	\$110.00	52
53	403	HMA (Gr SX)(As)(75)(58-28)	5708	TON	93.50	\$114.00	53
54	501	Sheet Piling (Type II)	10561	SF	35.00	\$35.00	54
55	502	Drl Hole to Fac Pile Drvg	260	LF	57.00	\$91.00	55
56	502	Steel Piling (HP 12X74)	150	LF	126.00	\$82.00	56
57	502	Steel Piling (HP 14x89)	134	LF	156.00	\$100.00	57

Project Bid Unit Price Comparison

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Concrete Works of CO	ESCO Construction	Ref No.
58	502	Tie-backs	6396	LF	51.50	\$52.00	58
59	504	Decorative Wall Facing	7108	SF	66.50	\$34.00	59
60	504	Retaining Wall (Block)	502	SF	34.00	\$110.00	60
61	504	Retaining Wall (Boulder)	1187	SF	258.00	\$56.00	61
62	506	Riprap (9")	199	CY	114.00	\$180.00	62
63	506	Riprap Boulder (1 ton)	2081	EA	527.00	\$200.00	63
64	506	Soil Riprap (12 inch)	2452	CY	101.00	\$112.00	64
65	506	Soil Riprap (18 inch)	2068	CY	99.00	\$114.00	65
66	506	Soil Riprap (24 inch)	517	CY	159.00	\$190.00	66
67	509	Structural Steel	19366	LB	3.55	\$7.00	67
68	514	Ped Bridge Rail (Special)	2076	LF	139.00	\$175.00	68
69	514	Ped Railing (Special)	305	LF	135.00	\$190.00	69
70	601	Concrete CI D (Bridge)	77	CY	552.00	\$900.00	70
71	601	Concrete CI D (Wall)	910	CY	606.00	\$910.00	71
72	601	Concrete CI D (Box Culv)	799	CY	584.00	\$820.00	72
73	601	Concrete Class BZ	29	CY	417.00	\$620.00	73
74	602	Reinforcing Steel	252495	LB	0.80	\$1.34	74
75	602	Re-Steel (Epoxy Coated)	41812	LB	1.15	\$1.46	75
76	603	15" Reinf Conc Pipe (CIP)	24	LF	97.00	\$76.00	76
77	603	18" Reinf Conc Pipe (CIP)	887	LF	100.00	\$140.00	77
78	603	24" Reinf Conc Pipe (CIP)	755	LF	106.00	\$160.00	78
79	603	30" Reinf Conc Pipe (CIP)	247	LF	121.00	\$130.00	79
80	603	53" X 34" Ellip. RCP (CIP)	49	LF	210.00	\$320.00	80
81	603	42" Corr Steel Pipe (CIP)	312	LF	79.00	\$130.00	81
82	603	15" Rnfd Cnc End Sec (CIP)	1	EA	750.00	\$1,190.00	82
83	603	18" Rnfd Cnc End Sec (CIP)	12	EA	864.00	\$1,460.00	83
84	603	24" Rnfd Cnc End Sec (CIP)	11	EA	987.00	\$1,520.00	84
85	603	30" Rnfd Cnc End Sec (CIP)	1	EA	1,200.00	\$1,790.00	85
86	603	53"X34" RCP End Sect (CIP)	2	EA	1,980.00	\$2,930.00	86
87	603	8 x 5 Ft CBC (Precast)	43	LF	1,040.00	\$2,680.00	87
88	603	10 x 4 Ft CBC (Precast)	42	LF	1,220.00	\$2,600.00	88
89	603	12 x 5 Ft CBC (Precast)	41	LF	1,660.00	\$7,530.00	89
90	603	12 x 6 Ft CBC (Precast)	140	LF	1,650.00	\$2,880.00	90
91	603	14 x 5 Ft CBC (Precast)	112	LF	1,820.00	\$3,020.00	91
92	604	Inlet Type D (5 Ft)	12	EA	5,750.00	\$5,560.00	92
93	604	Inlet Type D (10')	1	EA	8,000.00	\$6,190.00	93
94	604	Inlet Type R L 15 (5 Foot)	8	EA	15,350.00	\$16,080.00	94
95	604	Inlet Type R L 5 (5 Ft)	9	EA	8,550.00	\$8,010.00	95
96	604	Inlet Type R L 5 (10 Ft)	4	EA	10,800.00	\$10,470.00	96
97	604	Inlet Type R L 10 (15 Ft)	1	EA	18,800.00	\$16,080.00	97
98	604	Manhole Slab Base (5 Ft)	1	EA	4,050.00	\$2,310.00	98
99	604	Sidewalk Chase (CIP)	16	LF	342.00	\$520.00	99
100	605	Geocomp Drain without Pipe	718	SY	14.00	\$25.00	100
101	606	GR Type 3 (6-3 Post Spa)	725	LF	32.00	\$32.00	101
102	606	End Anchorage (Flared)	3	EA	4,110.00	\$2,770.00	102
103	607	Fence (Temporary)	1250	LF	4.00	\$5.95	103
104	607	Fence Deer	7362	LF	5.65	\$9.45	104
105	608	Concrete Sidewalk (6")	5510	SY	43.50	\$77.00	105
106	608	Concrete Curb Rmp Type 1	38	EA	152.00	\$180.00	106
107	608	Concrete Curb Rmp Type 3B	218	EA	139.00	\$180.00	107
108	608	Concrete Curb Ramp Type 2A	27	EA	127.00	\$180.00	108
109	609	C & G Type 2 (Section IIB)	11847	LF	18.00	\$34.00	109
110	609	Gutter Type 2 (4')	155	LF	64.50	\$73.00	110
111	613	ElectricDuct Relocate (CIP)	12	EA	6,850.00	\$7,300.00	111
112	614	Sign Panel (Class I)	327	SF	15.00	\$15.00	112
113	614	Steel Sign Suprt (2" P&S)	647	LF	35.00	\$36.00	113
114	620	Field Office (Class 2)	1	EA	31,800.00	\$23,150.00	114

Project Bid Unit Price Comparison

Bid Opening: 06-Oct-16

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Concrete Works of CO	ESCO Construction	Ref No.
115	620	Sanitary Facility	1	EA	8,270.00	\$8,750.00	115
116	625	Construction Surveying	1	LS	98,600.00	\$302,730.00	116
117	626	Mobilization	1	LS	520,000.00	\$708,000.00	117
118	626	Public Info Services	1	LS	18,800.00	\$21,750.00	118
119	627	Prefmd Tplst Pvt Mkg (90M)	852	SF	13.50	\$14.00	119
120	629	Install Monument Box	1	EA	393.00	\$600.00	120
121	630	Const.Traffic Control	1	LS	17,100.00	\$35,000.00	121
122	630	Flagging	3500	HR	35.50	\$37.00	122
123	630	Traffic Control Management	360	DAY	787.00	\$760.00	123
124	630	Traf Control Inspection	100	DAY	257.00	\$270.00	124
125	630	Portable Message Sign Brd	100	DAY	63.00	\$66.00	125
126	630	Conc Barrier (Temp)	2000	LF	23.50	\$60.00	126
127	700	F/A MCR	1	FA	1,000,000.00	#####	127
128	700	F/A Erosion Control	1	FA	30,000.00	\$30,000.00	128
129	700	F/A OJT Trainee	1	FA	3,200.00	\$3,200.00	129
130	700	F/A Asph Cemnt Cost Adjust	1	FA	54,000.00	\$54,000.00	130

Number of Bids: 8	Total Bid:	\$14,509,018.50	\$17,578,297.22
Number of Contract Days: 250	% Eng. Estimate:	124.85%	151.26%
Engineer's Estimate Total Cost:	11,621,601.20		

Summary of Unit Price Comparison

Bid Opening: 06-Oct-16

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Number of Bids: 8

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Engineer's Estimate	Low Bid Unit Price	Average of All Bids	Avg. of 5 Low Bids	Low Unit Price	High Unit Price	Ref No.
1	201	Clearing and Grubbing	1	LS	50,000.00	150,000.00	128,856.32	137,670.11	46,350.54	277,000.00	1
2	202	Removal of Structure	2	EA	20,000.00	2,700.00	6,718.58	7,101.33	1,900.00	13,806.66	2
3	202	Removal of Tree (4"-12")	363	EA	250.00	220.00	244.57	235.71	165.00	340.00	3
4	202	Removal of Wall	1480	LF	50.00	23.00	29.14	31.02	10.00	62.12	4
5	202	Removal of Riprap	528	CY	24.00	15.00	20.80	18.58	9.00	40.00	5
6	202	Removal of Pipe	34	EA	800.00	1,200.00	1,245.07	1,328.11	400.00	2,100.00	6
7	202	Removal of Ground Sign	47	EA	100.00	100.00	81.66	79.95	55.00	140.00	7
8	202	Removal of Sidewalk	3133	SY	10.00	14.00	12.70	12.91	7.00	20.00	8
9	202	Removal of C & G	933	LF	10.00	9.00	8.47	9.10	4.25	20.00	9
10	202	Removal of Asphalt Mat	777	SY	7.00	26.00	31.99	38.08	10.00	70.00	10
11	202	Removal of Bridge	1	EA	60,000.00	30,000.00	31,868.93	27,525.88	18,722.00	71,400.00	11
12	202	Removal of Bridge (Spec)	4	EA	5,000.00	4,000.00	5,296.82	4,604.12	2,500.00	10,000.00	12
13	202	Removal of Fence	127	LF	10.00	6.50	6.42	5.79	1.97	10.00	13
14	202	Removal of GR Type 3	323	LF	5.00	7.50	10.78	8.62	4.00	26.00	14
15	202	Removal of Ped Rail	133	LF	20.00	10.00	11.96	10.43	5.00	22.00	15
16	202	Removal of End Anchorage	3	EA	350.00	200.00	478.98	299.97	150.00	1,770.00	16
17	203	Uncl Exc (Cmpl In Place)	25198	CY	13.00	9.00	18.18	12.19	7.00	34.00	17
18	203	Muck Excavation	400	CY	20.00	60.00	57.74	38.08	7.00	100.00	18
19	203	Borrow (CIP) (R=25)	19369	CY	15.00	9.00	26.96	15.53	9.00	50.00	19
20	203	Rock Excavation (CIP)	400	CY	75.00	40.00	64.74	51.89	35.00	100.00	20
21	206	Structure Excavation (CIP)	8438	CY	27.00	9.00	23.55	14.78	9.00	67.00	21
22	206	Struct Backfill (Class 1)	4587	CY	30.00	50.00	58.35	49.36	35.00	120.00	22
23	206	Struct Backfill (Class 2)	1223	CY	28.00	9.00	25.51	20.61	9.00	54.00	23
24	206	Shoring	1	LS	200,000.00	375,000.00	398,872.96	390,140.74	291,280.00	530,000.00	24
25	207	Topsoil Import (CIP)	2000	CY	12.00	35.00	43.43	36.79	16.50	62.00	25
26	208	Erosion Log (12")	18589	LF	5.50	3.30	3.75	3.69	2.00	5.00	26
27	208	Stabilized Const. Entrance	18	EA	2,380.00	2,400.00	2,144.28	2,089.64	1,000.00	3,048.22	27
28	208	Erosion Control Supervisor	1	LS	6,000.00	25,000.00	40,614.22	41,016.75	24,200.00	65,000.00	28
29	208	Check Dam	71	EA	40.00	350.00	244.76	261.91	50.00	480.00	29
30	210	Reset Structure	2	EA	10,000.00	7,500.00	9,539.00	8,161.61	5,000.00	14,454.00	30
31	210	Reset Mailbox (Type 1)	3	EA	450.00	380.00	254.39	303.43	100.00	450.00	31
32	208	Reset Fence	1882	LF	10.00	11.00	9.84	8.05	4.23	13.50	32
33	210	Adjust Manhole	19	EA	500.00	1,000.00	815.40	716.64	293.20	2,010.00	33
34	210	Modify Manhole	5	EA	1,100.00	1,400.00	1,958.76	1,783.82	600.00	4,469.08	34
35	210	Adjust Valve Box	2	EA	350.00	500.00	399.75	281.00	100.00	1,060.00	35
36	212	Seeding (Native)	15	AC	750.00	1,400.00	1,863.61	1,925.77	500.00	4,500.00	36
37	212	Seeding (Riparian)	3	AC	3,000.00	2,300.00	2,542.94	2,464.70	900.00	5,500.00	37
38	212	Soil Conditioning	18	AC	3,000.00	1,900.00	2,798.47	2,561.55	1,900.00	3,650.00	38
39	212	Stream Baffles	306	EA	52.00	170.00	119.45	111.51	50.00	170.00	39
40	213	Landscape Log	548	LF	250.00	14.00	67.76	49.52	14.00	130.00	40
41	213	Root Barrier (12 Inch)	2455	LF	140.00	23.00	49.36	35.47	15.00	130.00	41
42	214	Willow Cuttings	15529	EA	3.50	2.90	2.82	2.71	1.50	4.00	42
43	216	Soil Retnt Blanket (Straw)	1651	SY	4.00	1.60	2.56	2.71	1.60	5.00	43
44	216	Soil Retntn Blanket (S/C)	6020	SY	4.00	1.80	3.46	2.76	1.80	9.00	44
45	216	Soil Retntn Blanket (Spec)	6022	SY	6.00	7.50	6.80	6.65	2.75	9.75	45
46	216	Turf Rnfd Mat (Class 1)	110	SY	6.00	7.00	7.00	6.73	4.20	8.50	46
47	304	ABC (Class 5)	11596	TON	20.00	30.00	33.61	32.08	30.00	40.00	47
48	304	Crusher Fines	1760	TON	30.00	33.00	39.68	39.28	32.00	52.00	48
49	305	Recycled Asphalt Pavement	652	TON	20.00	20.00	32.35	38.96	12.00	90.00	49
50	305	Recycle Pavement Section	18640	SY	5.00	3.50	5.40	4.51	3.00	10.00	50
51	403	HMA (Patch) (Gr S) (Asph)	55	TON	125.00	250.00	236.33	228.73	140.00	257.00	51
52	403	HBP (Gr S)(As)(75)(58-28)	4919	TON	90.00	84.00	88.96	84.04	70.00	110.00	52
53	403	HMA (Gr SX)(As)(75)(58-28)	5708	TON	90.00	86.00	91.49	86.69	75.00	114.00	53
54	501	Sheet Piling (Type II)	10561	SF	52.00	24.00	30.19	26.90	19.51	40.00	54
55	502	Drl Hole to Fac Pile Drvg	260	LF	40.00	56.00	104.63	116.20	56.00	225.00	55
56	502	Steel Piling (HP 12X74)	150	LF	80.00	49.00	84.03	77.85	48.25	155.00	56
57	502	Steel Piling (HP 14x89)	134	LF	150.00	63.00	102.59	94.55	57.73	170.00	57

Summary of Unit Price Comparison

Bid Opening: 06-Oct-16

Project No-Phase 9339-1 : FHWA Site 05 CR 63 (Fish Creek Rd)

Number of Bids: 8

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Engineer's Estimate	Low Bid Unit Price	Average of All Bids	Avg. of 5 Low Bids	Low Unit Price	High Unit Price	Ref No.
58	502	Tie-backs	6396	LF	18.50	48.00	58.98	60.27	48.00	80.00	58
59	504	Decorative Wall Facing	7108	SF	12.50	18.00	32.43	26.19	18.00	66.50	59
60	504	Retaining Wall (Block)	502	SF	50.00	50.00	54.79	50.26	33.00	110.00	60
61	504	Retaining Wall (Boulder)	1187	SF	100.00	35.00	66.71	33.33	14.00	258.00	61
62	506	Riprap (9")	199	CY	90.00	70.00	113.82	106.11	60.00	180.00	62
63	506	Riprap Boulder (1 ton)	2081	EA	185.00	150.00	180.05	115.08	40.00	527.00	63
64	506	Soil Riprap (12 inch)	2452	CY	100.00	70.00	86.32	83.31	50.00	120.00	64
65	506	Soil Riprap (18 inch)	2068	CY	110.00	70.00	86.90	83.84	50.00	120.00	65
66	506	Soil Riprap (24 inch)	517	CY	120.00	85.00	128.61	116.18	50.00	215.00	66
67	509	Structural Steel	19366	LB	6.00	3.00	3.51	3.21	1.00	7.00	67
68	514	Ped Bridge Rail (Special)	2076	LF	160.00	81.00	124.46	99.33	70.00	185.00	68
69	514	Ped Railing (Special)	305	LF	150.00	100.00	139.22	123.35	97.00	190.00	69
70	601	Concrete Cl D (Bridge)	77	CY	750.00	780.00	788.77	807.43	552.00	900.00	70
71	601	Concrete Cl D (Wall)	910	CY	650.00	610.00	744.34	710.74	544.68	950.00	71
72	601	Concrete Cl D (Box Culv)	799	CY	550.00	620.00	740.70	740.31	584.00	1,100.00	72
73	601	Concrete Class BZ	29	CY	450.00	760.00	545.46	551.94	297.70	900.00	73
74	602	Reinforcing Steel	252495	LB	1.00	0.74	0.89	0.73	0.50	1.34	74
75	602	Re-Steel (Epoxy Coated)	41812	LB	1.10	0.85	1.03	0.88	0.60	1.46	75
76	603	15" Reinf Conc Pipe (CIP)	24	LF	75.00	100.00	87.04	72.66	41.00	160.00	76
77	603	18" Reinf Conc Pipe (CIP)	887	LF	80.00	90.00	92.56	74.70	50.00	140.00	77
78	603	24" Reinf Conc Pipe (CIP)	755	LF	95.00	110.00	107.71	92.34	65.00	160.00	78
79	603	30" Reinf Conc Pipe (CIP)	247	LF	110.00	120.00	125.42	116.47	90.00	170.00	79
80	603	53" X 34" Ellip. RCP (CIP)	49	LF	180.00	250.00	254.86	240.37	200.00	320.00	80
81	603	42" Corr Steel Pipe (CIP)	312	LF	50.00	150.00	118.71	123.14	79.00	175.00	81
82	603	15" Rnfd Cnc End Sec (CIP)	1	EA	600.00	700.00	884.50	861.20	700.00	1,190.00	82
83	603	18" Rnfd Cnc End Sec (CIP)	12	EA	600.00	800.00	1,026.52	951.63	800.00	1,460.00	83
84	603	24" Rnfd Cnc End Sec (CIP)	11	EA	800.00	900.00	1,134.87	1,094.39	900.00	1,520.00	84
85	603	30" Rnfd Cnc End Sec (CIP)	1	EA	950.00	1,500.00	1,461.70	1,470.71	1,200.00	1,790.00	85
86	603	53"X34" RCP End Sect (CIP)	2	EA	2,500.00	2,000.00	2,402.65	2,410.23	1,980.00	3,050.00	86
87	603	8 x 5 Ft CBC (Precast)	43	LF	700.00	980.00	1,545.36	1,538.58	852.89	4,000.00	87
88	603	10 x 4 Ft CBC (Precast)	42	LF	760.00	1,150.00	1,699.22	1,742.35	1,001.76	4,000.00	88
89	603	12 x 5 Ft CBC (Precast)	41	LF	970.00	1,430.00	2,526.11	1,937.38	1,332.00	7,530.00	89
90	603	12 x 6 Ft CBC (Precast)	140	LF	1,300.00	1,300.00	2,054.25	2,115.80	1,300.00	4,500.00	90
91	603	14 x 5 Ft CBC (Precast)	112	LF	1,200.00	1,400.00	2,125.01	2,131.21	1,400.00	3,020.00	91
92	604	Inlet Type D (5 Ft)	12	EA	5,000.00	4,250.00	5,354.27	5,196.23	2,500.00	8,181.14	92
93	604	Inlet Type D (10')	1	EA	5,850.00	5,250.00	7,034.96	7,027.93	5,000.00	11,389.64	93
94	604	Inlet Type R L 15 (5 Foot)	8	EA	7,500.00	13,500.00	14,232.52	13,646.04	10,000.00	20,230.18	94
95	604	Inlet Type R L 5 (5 Ft)	9	EA	4,100.00	5,750.00	7,246.00	6,684.59	4,000.00	11,072.97	95
96	604	Inlet Type R L 5 (10 Ft)	4	EA	5,200.00	11,000.00	11,094.15	11,498.64	9,000.00	15,093.21	96
97	604	Inlet Type R L 10 (15 Ft)	1	EA	9,200.00	13,750.00	15,772.27	14,876.43	9,000.00	23,732.17	97
98	604	Manhole Slab Base (5 Ft)	1	EA	4,000.00	2,700.00	4,620.61	5,077.17	2,310.00	7,000.00	98
99	604	Sidewalk Chase (CIP)	16	LF	30.00	420.00	342.95	307.92	200.00	520.00	99
100	605	Geocomp Drain without Pipe	718	SY	20.00	24.00	18.58	15.93	5.64	30.00	100
101	606	GR Type 3 (6-3 Post Spa)	725	LF	22.00	28.00	44.90	52.24	28.00	140.00	101
102	606	End Anchorage (Flared)	3	EA	2,500.00	2,400.00	2,832.41	2,644.25	2,400.00	4,110.00	102
103	607	Fence (Temporary)	1250	LF	3.50	5.00	4.08	3.14	1.97	7.00	103
104	607	Fence Deer	7362	LF	10.00	8.50	9.12	9.57	4.00	22.00	104
105	608	Concrete Sidewalk (6")	5510	SY	40.00	56.00	62.70	59.22	43.50	85.00	105
106	608	Concrete Curb Rmp Type 1	38	EA	120.00	160.00	163.00	160.59	140.00	210.00	106
107	608	Concrete Curb Rmp Type 3B	218	EA	120.00	150.00	140.34	128.14	100.00	180.00	107
108	608	Concrete Curb Ramp Type 2A	27	EA	120.00	160.00	150.12	142.59	110.00	181.00	108
109	609	C & G Type 2 (Section IIB)	11847	LF	25.00	26.00	24.90	22.63	18.00	34.00	109
110	609	Gutter Type 2 (4')	155	LF	40.00	40.00	46.80	44.47	14.50	73.00	110
111	613	ElectricDuct Relocate (CIP)	12	EA	2,000.00	5,600.00	5,262.00	5,369.19	1,100.00	9,000.00	111
112	614	Sign Panel (Class I)	327	SF	20.00	21.00	18.13	20.11	14.00	23.00	112
113	614	Steel Sign Suprt (2" P&S)	647	LF	20.00	28.00	29.86	25.18	16.91	42.00	113
114	620	Field Office (Class 2)	1	EA	20,000.00	50,000.00	47,039.71	58,113.54	23,150.00	140,000.00	114

Project Bid Unit Price Comparison

Bid Opening: 05-Oct-16

Project No-Phase 9344-1 : FHWA Site 17 CR 69B (Tunnel Rd) Begin to US 36

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	SEMA Inc.	Zak Dirt Inc.	Lawerence Construction	ACC, LLC	Dietzler	Duran Excavating	Ref No.
1	202	Rem of Asph Mat (Milling)	939	SY	25.00	\$18.00	12.63	8.00	9.10	17.00	1
2	210	Reset Guardrail Type 3	120	LF	75.00	\$85.00	80.38	30.00	70.00	101.00	2
3	403	HMA(Ptch)(S)(A)(58-28)(EP)	463	TON	140.00	\$130.00	140.93	147.00	106.00	184.00	3
4	506	Riprap (12")	181	CY	80.00	\$120.00	140.72	65.00	120.00	91.00	4
5	626	Mobilization	1	LS	7,000.00	\$14,500.00	17,010.89	11,500.00	15,000.00	11,000.00	5
6	630	Const.Traffic Control	1	LS	1,000.00	\$2,500.00	845.57	900.00	2,000.00	2,900.00	6
7	630	Flagging	120	HR	33.00	\$25.00	34.95	28.50	30.00	35.00	7
8	630	Traffic Control Management	5	DAY	730.00	\$500.00	777.93	630.00	700.00	760.00	8
9	630	Traf Control Inspection	5	DAY	240.00	\$250.00	253.66	145.00	250.00	250.00	9
10	700	F/A MCR	1	FA	16,800.00	\$16,800.00	16,800.00	16,800.00	16,800.00	16,800.00	10

Number of Bids: 8	Total Bid:	\$145,385.00	\$149,562.00	\$156,234.49	\$127,433.00	\$129,892.90	\$169,696.00
Number of Contract Days: 250	% Eng. Estimate:	109.95%	113.11%	118.16%	96.38%	98.24%	128.34%
Engineer's Estimate Total Cost:	132,225.30						

Project Bid Unit Price Comparison

Bid Opening: 05-Oct-16

Project No-Phase 9344-1 : FHWA Site 17 CR 69B (Tunnel Rd) Begin to US 36

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Concrete Works of CO	ESCO Construction	Ref No.
1	202	Rem of Asph Mat (Milling)	939	SY	16.00	\$15.00	1
2	210	Reset Guardrail Type 3	120	LF	34.00	\$85.00	2
3	403	HMA(Ptch)(S)(A)(58-28)(EP)	463	TON	143.00	\$230.00	3
4	506	Riprap (12")	181	CY	103.00	\$110.00	4
5	626	Mobilization	1	LS	11,000.00	\$18,820.00	5
6	630	Const.Traffic Control	1	LS	856.00	\$890.00	6
7	630	Flagging	120	HR	35.50	\$37.00	7
8	630	Traffic Control Management	5	DAY	787.00	\$760.00	8
9	630	Traf Control Inspection	5	DAY	257.00	\$270.00	9
10	700	F/A MCR	1	FA	16,800.00	\$16,800.00	10

Number of Bids: 8	Total Bid:	\$142,092.00	\$196,785.00
Number of Contract Days: 250	% Eng. Estimate:	107.46%	148.83%
Engineer's Estimate Total Cost:	132,225.30		

Summary of Unit Price Comparison

Bid Opening: 05-Oct-16

Project No-Phase 9344-1 : FHWA Site 17 CR 69B (Tunnel Rd) Begin to US 36

Number of Bids: 8

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Engineer's Estimate	Low Bid Unit Price	Average of All Bids	Avg. of 5 Low Bids	Low Unit Price	High Unit Price	Ref No.
1	202	Rem of Asph Mat (Milling)	939	SY	3.95	25.00	15.09	14.55	8.00	25.00	1
2	210	Reset Guardrail Type 3	120	LF	25.00	75.00	70.05	68.08	30.00	101.00	2
3	403	HMA(Ptch)(S)(A)(58-28)(EP)	463	TON	148.75	140.00	152.62	132.79	106.00	230.00	3
4	506	Riprap (12")	181	CY	125.00	80.00	103.72	105.14	65.00	140.72	4
5	626	Mobilization	1	LS	8,370.00	7,000.00	13,228.86	13,002.18	7,000.00	18,820.00	5
6	630	Const.Traffic Control	1	LS	3,000.00	1,000.00	1,486.45	1,449.11	845.57	2,900.00	6
7	630	Flagging	120	HR	30.00	33.00	32.37	30.29	25.00	37.00	7
8	630	Traffic Control Management	5	DAY	300.00	730.00	705.62	667.59	500.00	787.00	8
9	630	Traf Control Inspection	5	DAY	150.00	240.00	239.46	227.73	145.00	270.00	9
10	700	F/A MCR	1	FA	16,800.00	16,800.00	16,800.00	16,800.00	16,800.00	16,800.00	10

Summary of Unit Price Comparison

Bid Opening: 05-Oct-16

Project No-Phase 9344-1 : FHWA Site 17 CR 69B (Tunnel Rd) Begin to US 36

Number of Bids: 8

Ref No.	Item No.	Item Description	Approx. Quan.	Unit	Engineer's Estimate	Low Bid Unit Price	Average of All Bids	Avg. of 5 Low Bids	Low Unit Price	High Unit Price	Ref No.
1	202	Rem of Asph Mat (Milling)	939	SY	3.95	25.00	15.09	14.55	8.00	25.00	1
2	210	Reset Guardrail Type 3	120	LF	25.00	75.00	70.05	68.08	30.00	101.00	2
3	403	HMA(Ptch)(S)(A)(58-28)(EP)	463	TON	148.75	140.00	152.62	132.79	106.00	230.00	3
4	506	Riprap (12")	181	CY	125.00	80.00	103.72	105.14	65.00	140.72	4
5	626	Mobilization	1	LS	8,370.00	7,000.00	13,228.86	13,002.18	7,000.00	18,820.00	5
6	630	Const.Traffic Control	1	LS	3,000.00	1,000.00	1,486.45	1,449.11	845.57	2,900.00	6
7	630	Flagging	120	HR	30.00	33.00	32.37	30.29	25.00	37.00	7
8	630	Traffic Control Management	5	DAY	300.00	730.00	705.62	667.59	500.00	787.00	8
9	630	Traf Control Inspection	5	DAY	150.00	240.00	239.46	227.73	145.00	270.00	9
10	700	F/A MCR	1	FA	16,800.00	16,800.00	16,800.00	16,800.00	16,800.00	16,800.00	10