

BRN-0065(18)

ANALYSIS OF BIDS  
 JOB NO. 004829 - DOCTOR'S CREEK BR. & APPRS. (S)  
 LETTING OF 15NOV2001

QUANTITY	UNIT	ITEM	CRAWFORD CONSTRUCTION CO.	MINE CREEK CONTRACTORS, INC.	LENTZ CONST. CO., INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	4,000.00	5,000.00	18,600.00	9,200.00
60.00	LF	TEMP.BR.STR. (20' RDWY.)	500.00	425.00	875.00	600.00
102.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	42.00	65.00	86.00	64.33
102.90	CUYD	CLASS S CONCRETE-BRIDGE	380.00	525.00	591.31	498.77
145.20	CUYD	CLASS S(AE) CONCRETE-BRIDGE	390.00	460.00	419.05	423.02
12.20	GAL	CLASS 1 PROTECT.SURF.TREATMENT	30.00	30.00	20.00	26.67
46,420.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.48	0.55	0.60	0.54
128.00	LF	STEEL PILING (HP 10X42)	42.00	60.00	55.60	52.53
90,080.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.88	0.80	1.08	0.92
8,544.00	CUIN	ELASTOMERIC BEARINGS	0.92	0.93	0.98	0.94
62.00	LF	PREFORMED JOINT SEAL	26.00	30.00	37.00	31.00
1.00	EACH	BRIDGE NAME PLATE (TYPE D)	700.00	700.00	600.00	666.67
495.00	SOYD	FILTER BLANKET	2.00	3.50	3.00	2.83
276.00	CUYD	DUMPED RIPRAP	35.00	35.00	35.00	35.00

TOTAL AMOUNT BID FOR JOB                    \$558,408.48                    \$597,000.00                    \$657,971.49

TOTAL AMOUNT BID FOR BRIDGE                \$262,130.48                    \$285,483.92                    \$356,475.18

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06197	152.12	31.17	4,741.07	1A	1B
		A =	4,741.07		

1A 150.0' Cont. Comp. W-Beam Unit; Hammerhead Int. Bents on Spread Footings, Pile End Bents

1B M2568: 20.0' Wide x 61.0' Long; 3 Spans with Steel Beams and Concrete Decks; Steel and Concrete Bents

OUT TO OUT COST (\$/SF)=	\$262,130.48 /A = \$ 55.29	* FHWA COST (\$/SF)=	\$217,480.48 /A = \$ 45.87
LESS REMOVAL / TEMP. BR. (\$/SF)	= \$ 7.17	EXISTING BR. REMOVAL (\$/SF)	= \$ 3.28
NET COST (\$/SF)	= \$ 48.12	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS	

FUNC. CLASS - MAJOR COLLECTOR  
 MEC

DESIGN SECTION -

BRN-0073(38)

ANALYSIS OF BIDS  
 JOB NO. 050010 - BLACK CREEK STR. & APPRS. (KENSETT) (S)  
 LETTING OF 15NOV2001

QUANTITY	UNIT	ITEM	SOUTER CONSTRUCTION CO., INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	5,400.00	5,400.00
4.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	60.00	60.00
61.30	CUYD	CLASS S CONCRETE-BRIDGE	540.00	540.00
126.30	CUYD	CLASS S(AE) CONCRETE-BRIDGE	510.00	510.00
10.40	GAL	CLASS 1 PROTECT.SURF.TREATMENT	36.00	36.00
32,560.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.58	0.58
910.00	LF	CONC.PILING (18" SQUARE)	48.00	48.00
140.00	LF	TEST PILES (18" SQUARE)	90.00	90.00
53,400.00	LB	STR.ST.BM.SPANS (M270-GR50W)	1.15	1.15
9,918.00	CUIN	ELASTOMERIC BEARINGS	0.89	0.89
66.00	LF	PREFORMED JOINT SEAL	36.00	36.00
1.00	EACH	BRIDGE NAME PLATE (TYPE D)	972.00	972.00
311.00	SOYD	FILTER BLANKET	3.60	3.60
155.00	CUYD	DUMPED RIPRAP	27.60	27.60

TOTAL AMOUNT BID FOR JOB \$899,824.75

TOTAL AMOUNT BID FOR BRIDGE \$257,676.82

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06882	122.18	33.17	4,052.56	1A	1B
		A =	4,052.56		

1A 120'0" Cont. W-Beam Unit (38'-44'-38'); Concrete Pile Bents

1B M3300; 26' Wide x 27.3' Long; Steel Beams and Concrete Deck Supported by Concrete Abutments

OUT TO OUT COST (\$/SF)=	\$257,676.82/A = \$ 63.58	* FHWA COST (\$/SF)=	\$ 246,879.22 /A = \$ 60.92
LESS REMOVAL / TEMP. BR. (\$/SF)	= \$ 1.33	EXISTING BR. REMOVAL (\$/SF)	= \$ 7.61

NET COST (\$/SF) = \$ 62.25 \* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

FUNC. CLASS - MAJOR COLL.

DESIGN SECTION - GVA

NH-0034 (28)

ANALYSIS OF BIDS  
 JOB NO. 050021 - HWY. 18-NORTH (STRUCTURES) (F)  
 LETTING OF 15NOV2001

QUANTITY	UNIT	ITEM	ROBERTSON CONTRACTOR S, INC.	ROSIEK CONSTRUCTION CO., INC.	JENSEN CONSTRUCTION CO.	AVG. OF LOW BIDS
573.00	CU M	UNCLASS.EXCAV.FOR STRS-BR	39.24	35.00	65.00	49.41
9,993.00	CU M	UNCLASS.EXCAV.FOR STRS-BR	68.01	95.00	74.00	79.00
521.90	CU M	CLASS S CONCRETE-BRIDGE	392.39	550.00	340.00	422.46
4,057.30	CU M	CLASS S CONCRETE-BRIDGE	366.23	550.00	325.00	413.74
724.00	CU M	CLASS S(AE) CONCRETE-BRIDGE	431.62	500.00	400.00	443.87
5,632.00	CU M	CLASS S(AE) CONCRETE-BRIDGE	392.39	500.00	400.00	430.80
3,532.00	CU M	SEAL CONCRETE-BRIDGE	196.19	250.00	75.00	173.73
7,128.00	M	PRESTRESSED CONC. GIRDERS (TY B	324.80	290.00	413.00	342.60
295.00	L	CLASS 1 PROTECT.SURF.TREATMENT	13.21	6.00	30.00	16.40
2,148.00	L	CLASS 1 PROTECT.SURF.TREATMENT	9.69	3.75	30.00	14.48
49,768.00	KG	REINF.STEEL-BRIDGE (GR.420)	1.21	1.20	1.10	1.17
478,989.00	KG	REINF.STEEL-BRIDGE (GR.420)	1.10	1.20	1.10	1.13
105,428.00	KG	EPOXY COAT.REINF.STEEL-GR420	1.32	1.40	1.23	1.32
768,694.00	KG	EPOXY COAT.REINF.STEEL-GR420	1.15	1.40	1.23	1.26
1,560.05	M	CONC.PILE(405 OCT/405 SQ)	118.11	120.00	105.00	114.37
8,922.40	M	CONC.PILE(455 OCT/455 SQ)	124.67	120.00	112.00	118.89
74.50	M	TEST PILES (405 OCT/405 SQ.)	196.85	250.00	200.00	215.62
353.20	M	TEST PILE (455 OCT/455 SQ)	180.45	250.00	150.00	193.48
972.00	EACH	PILE CUT-OFF	160.00	80.00	325.00	188.33
4.00	EACH	DYNAMIC PILE LOAD TEST	5,000.00	4,000.00	5,000.00	4,666.67
410,335.00	KG	STR.ST.BM.SPANS(M270-GR345)	2.12	2.20	2.07	2.13
457,072.00	KG	STR.ST.PL.GRD.SPN(M270-GR345W)	2.12	2.00	2.22	2.11
407.30	MTON	PAINTING STRUCTURAL STEEL	131.72	135.00	140.00	135.57
552,380.00	CUCM	ELASTOMERIC BEARINGS	0.10	0.12	0.15	0.12
5,127,360.00	CUCM	ELASTOMERIC BEARINGS	0.07	0.10	0.15	0.11
215.80	M	ARM. JT W/NEOPRENE STRIP SEAL	410.11	350.00	410.00	390.04
65.00	M	CLOSED CELL JOINT FILLER	164.04	150.00	100.00	138.01
54.00	M	CLOSED CELL JOINT FILLER	164.04	250.00	100.00	171.35
3.00	EACH	BRIDGE NAME PLATE (TYPE D)	187.62	700.00	250.00	379.21
2.00	EACH	BRIDGE NAME PLATE (TYPE D)	1,000.00	700.00	250.00	650.00
394.00	CU M	CONCRETE RIPRAP	413.72	225.00	350.00	322.46
64.00	CU M	CONCRETE RIPRAP	392.39	250.00	350.00	330.80
TOTAL AMOUNT BID FOR JOB			\$15,195,456.86	\$18,497,575.30	\$19,220,247.85	
TOTAL AMOUNT BID FOR BRIDGE			\$13,714,330.04	\$15,600,625.30	\$14,355,997.85	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06727	88.670	12.950	1,148.28	1A	NA
06729	96.710	9.350	904.26	2A	NA
06730	94.692	9.350	885.37	3A	NA
A6728	840.670	13.375	11,328.03	4A	NA
B6728	840.670	13.375	11,328.03	5A	NA

A = 25,593.97 (275,491.18 SF)

NH-0034(28)

ANALYSIS OF BIDS  
JOB NO. 050021 - HWY. 18-NORTH (STRUCTURES) (F)  
LETTING OF 15NOV2001

---

1A 88M Cont. Comp. W-Beam Unit on 2-Column Bents with Concrete Piling  
2A 96M Cont. Comp. W-Beam Unit on 2-Column Bents with Concrete Piling; 20° Rt. Fwd. Skews  
3A 94M Cont. Comp. W-Beam Unit on 2-Column Bents with Concrete Piling; 14° 30' Rt. Fwd. Skews  
4A 8 - 90M Cont. Concrete Bulb-T Units and 1 - 120' Cont. Plate Girder Unit on 2-Column Bents with Concrete Piling & Seal Concrete  
5A 8 - 90M Cont. Concrete Bulb-T Units and 1 - 120' Cont. Plate Girder Unit on 2-Column Bents with Concrete Piling & Seal Concrete

---

OUT TO OUT COST (\$/SM) = \$13,714,330.04/A = \$ 535.84 (\$49.78/SF) \* FHWA COST (\$/SM) = \$13,526,211.40/A = \$528.49 (\$49.10/SF)  
LESS REMOVAL / TEMP. BR. (\$/SM) = \$ 0.00 EXISTING BR. REMOVAL (\$/SM) = \$ 0.00

NET COST (\$/SM) = \$ 535.84 \* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

FUNC. CLASS. - PRIN. ART.

METRIC

DESIGN SECTION - JGT

STPU-9315(22)

ANALYSIS OF BIDS

JOB NO. 060954 - WHITE OAK BAYOU PEDESTRIAN/BICYCLE BRIDGE (NLR) (S)  
 LETTING OF 15NOV2001

QUANTITY	UNIT	ITEM	LENTZ CONST. CO., INC.	SOUTER CONSTRUCTION CO., INC.	SIMCO, INC.	AVG. OF LOW BIDS
2.00	EACH	PEDESTRIAN BARRIER	2,200.00	6,000.00	5,000.00	4,400.00
69.30	CUYD	CLASS S CONCRETE-BRIDGE	505.00	660.00	600.00	588.33
15.00	EACH	31' PRECAST CONC. CURB UNITS	2,735.00	2,683.20	2,770.00	2,729.40
40.00	EACH	31' PRECAST CONC.INTER.UNITS	2,730.00	2,676.00	2,700.00	2,702.00
5.00	EACH	31' PRECAST PARAPET RAIL UNITS	3,823.00	3,786.00	3,670.00	3,759.67
5.00	EACH	31' PCST. PARAPET RAIL (1'-7")	5,587.00	5,562.00	5,150.00	5,433.00
5.00	EACH	31' PCST. PED. RAIL UNITS (10")	4,272.00	4,236.00	4,150.00	4,219.33
40.60	GAL	CLASS 1 PROTECT.SURF.TREATMENT	37.00	36.00	40.00	37.67
10,500.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.60	0.54	0.80	0.65
2,100.00	LF	STEEL PILING (HP 12X53)	32.00	33.60	34.00	33.20
460.00	LF	PILE ENCASEMENT	60.00	63.00	70.00	64.33
400.00	LF	METAL BRIDGE RAILING (TYPE H 1)	70.00	41.10	40.00	50.37
2.00	EACH	APPROACH BARRIER & TRANS. RAIL	2,300.00	5,400.00	15,000.00	7,566.67
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	200.00	360.00	150.00	236.67
1,200.00	SQYD	FILTER BLANKET	2.89	3.60	2.50	3.00
600.00	CUYD	DUMPED RIPRAP	35.00	33.60	34.00	34.20
TOTAL AMOUNT BID FOR JOB			\$511,701.00	\$528,758.82	\$551,163.66	
TOTAL AMOUNT BID FOR BRIDGE			\$417,901.70	\$431,697.60	\$449,154.00	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
04848	155.00	42.17	6,535.84	1A	NA
		A =	6,535.84		

PEDESTRIAN BRIDGE = 155' X 16.4167' = 2,544.58 SF

1A 155' Precast Concrete Spans on Steel H-Pile Bents

OUT TO OUT COST (\$/SF)=	\$417,901.70 /A =	\$ 63.94	* FHWA COST (\$/SF)=	\$179,611.10 /2,544.58 =	\$70.59
LESS REMOVAL / TEMP. BR.	(\$/SF)	= NA	EXISTING BR. REMOVAL (\$/SF)	=	NA
NET COST (\$/SF)	=	\$ 63.94	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS		

FUNC. CLASS. - OTHER

DESIGN SECTION - JGT

BR-NBIL(12)

ANALYSIS OF BIDS  
 JOB NO. 090063 - SPRING CREEK STR. & APPRS. (SPRINGDALE) (S)  
 LETTING OF 15NOV2001

QUANTITY	UNIT	ITEM	M. J. LEE CONSTRUCTION CO.	PARADIGM CONST. & ENGRNG., INC	MOBLEY CONTRACTORS, INC.	AVG. OF LOW BIDS
1,001.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	50.00	35.00	102.56	62.52
381.20	CUYD	CLASS S CONCRETE-BRIDGE	325.00	365.00	576.62	422.21
628.80	CUYD	CLASS S(AE) CONCRETE-BRIDGE	325.00	365.00	400.06	363.35
46.40	GAL	CLASS 1 PROTECT.SURF.TREATMENT	18.00	30.00	26.49	24.83
180,490.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.43	0.50	0.54	0.49
220.00	LF	STEEL PILING (HP 12X53)	35.00	40.00	49.36	41.45
830.00	LF	METAL BRIDGE RAILING (TYPE H)	34.50	40.00	30.71	35.07
4.00	EACH	TRANSITIONAL APPROACH RAILING	2,000.00	3,000.00	1,889.15	2,296.38
346,270.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.94	0.96	0.89	0.93
33,019.00	CUIN	ELASTOMERIC BEARINGS	1.00	1.00	0.93	0.98
126.00	LF	CLOSED CELL JOINT FILLER	35.00	30.00	29.17	31.39
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	300.00	150.00	195.99	215.33
762.00	SQYD	FILTER BLANKET	2.50	2.00	1.77	2.09
381.00	CUYD	DUMPED RIPRAP	38.80	35.00	34.53	36.11

TOTAL AMOUNT BID FOR JOB                    \$1,324,180.92                    \$1,477,893.44                    \$1,656,519.81

TOTAL AMOUNT BID FOR BRIDGE                \$880,991.50                    \$933,549.20                    \$1,073,890.72

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06885	413.18	45.50	18,800.00	1A	NA

A = 18,800.00

1A 410' Cont. Comp. W-Beam Unit (50'-5 @ 62'-50'); Steel Pile End Bent, 4 Column Spread Footing Int. Bents

OUT TO OUT COST (\$/SF)=	\$880,991.50	/A = \$ 46.86	* FHWA COST (\$/SF)=	\$856,303.70	/A = \$45.55
LESS REMOVAL / TEMP. BR.	(\$/SF)	= NA	EXISTING BR. REMOVAL (\$/SF)	= NA	
NET COST (\$/SF)		= \$ 46.86	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, FILTER BLANKET		
			& TRANSIT. APPR. RAIL COSTS		

FUNC. CLASS. - LOCAL (URBAN)

DESIGN SECTION - GVA

NH-0016(32)

ANALYSIS OF BIDS  
 JOB NO. 100294 - CRAIGHEAD CO. LN.-BONO (S)  
 LETTING OF 15NOV2001

QUANTITY	UNIT	ITEM	RONALD S. TERRY CONST. CO., INC.	DELTA ASPHALT OF ARK., INC.	ATLAS ASPHALT, INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 5)	18,000.00	29,177.13	30,000.00	25,725.71
63.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	20.00	35.00	35.00	30.00
117.50	CUYD	CLASS S CONCRETE-BRIDGE	575.00	425.00	425.00	475.00
370.60	CUYD	CLASS S(AE) CONCRETE-BRIDGE	525.00	400.00	400.00	441.67
28.10	GAL	CLASS 1 PROTECT.SURF.TREATMENT	50.00	35.00	35.00	40.00
15,030.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.65	0.45	0.45	0.52
82,390.00	LB	EPOXY COAT.REINF.STEEL-GR 60	1.00	0.56	0.56	0.71
720.00	LF	STEEL SHELL PILING (16")	75.00	38.91	40.00	51.30
720.00	LF	STEEL SHELL PILING (24")	105.00	72.95	75.00	84.32
172,670.00	LB	STR.ST.BM.SPANS(M270-GR50W)	1.00	1.12	1.15	1.09
14,681.00	CUIN	ELASTOMERIC BEARINGS	1.00	1.00	1.00	1.00
1.00	EACH	BRIDGE NAME PLATE (TYPE D)	750.00	750.00	750.00	750.00
TOTAL AMOUNT BID FOR JOB			\$6,977,483.06	\$7,072,073.17	\$7,121,568.39	
TOTAL AMOUNT BID FOR BRIDGE			\$692,653.00	\$572,805.63	\$581,069.40	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06859	151.00	78.17	11,803.17	1A	1B
		A =	11,803.17		

1A 151' Integral Cont. Comp. W-Beam Unit (47'-6" -56' -47'-6"); Concrete Filled Steel Shell Pile Bents

1B 28' x 140' RCDG Spans, Concrete Pile Bents

OUT TO OUT COST (\$/SF)=	\$692,653.00	/A =	\$ 58.68	* FHWA COST (\$/SF)=	\$674,653.00	/A =	\$ 57.16
LESS REMOVAL / TEMP. BR.	(\$/SF)	=	\$ 1.52	EXISTING BR. REMOVAL (\$/SF)	=	\$ 4.59	
NET COST (\$/SF)		=	\$ 57.16	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS			

FUNC. CLASS. - PRIN. ART.

DESIGN SECTION - GVA