

BRN-9332(1)

ANALYSIS OF BIDS
 JOB NO. 100255 - EIGHT MILE CREEK BR. & APPRS. (S)
 LETTING OF 11JAN2000

QUANTITY	UNIT	ITEM	ROBERTSON, INC., BRIDGE & GRADING DIV.	B. L. MCBRIDE & SON, INC.	CAMERON CONST. CO., INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	17,420.00	25,000.00	60,000.00	34,140.00
626.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	13.00	20.00	60.00	31.00
445.50	CUYD	CLASS S CONCRETE-BRIDGE	350.00	320.00	400.00	356.67
241.40	CUYD	CLASS S(AE) CONCRETE-BRIDGE	290.00	360.00	425.00	358.33
19.00	GAL	CLASS 1 PROTECT.SURF.TREATMENT	33.00	35.00	35.00	34.33
49,910.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.57	0.52	0.75	0.61
42,510.00	LB	EPOXY COAT.REINF.STEEL-GR 60	0.66	0.58	1.00	0.75
5,340.00	LF	STEEL SHELL PILING (16")	36.00	45.00	50.00	43.67
352.00	LF	METAL BRIDGE RAILING (TYPE H)	39.00	40.00	55.00	44.67
4.00	EACH	TRANSITIONAL APPROACH RAILING	2,208.00	4,500.00	2,750.00	3,152.67
222,940.00	LB	STR.ST.PL.GRD.SPN(M270-GR50W)	1.18	1.10	1.25	1.18
4,915.00	CUIN	ELASTOMERIC BEARINGS	2.00	2.50	1.50	2.00
135.00	LF	PREFORMED JOINT SEAL	32.50	35.00	40.00	35.83
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	100.00	200.00	175.00	158.33
613.00	SQYD	FILTER BLANKET	1.40	2.50	2.25	2.05
330.00	CUYD	DUMPED RIPRAP	28.00	32.00	35.00	31.67
TOTAL AMOUNT BID FOR JOB			\$2,267,078.87	\$2,354,815.07	\$2,736,194.01	
TOTAL AMOUNT BID FOR BRIDGE			\$810,906.20	\$865,177.00	\$1,060,874.25	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06772	112.15	67.17	7,532.81	1A	1B
		A =	7,532.81		

1A 110'-0" Composite Plate Girder Span; Vertical abutments.

1B (#00934) 132' long x 20' wide; Truss Main Span with Concrete Slab Approach Spans; Concrete Bents with Timber Piles.

OUT TO OUT COST (\$/SF)=	\$ 810,906.20	/A =	\$107.65	* FHWA COST (\$/SF)=	\$774,556.00	/A =	\$102.82
LESS REMOVAL / TEMP. BR.	(\$/SF)	=	\$ 2.31	EXISTING BR. REMOVAL (\$/SF)	=	\$6.60	
NET COST (\$/SF)	=	\$105.34		* DEDUCT REMOVAL, TEMP. BR., RIPRAP,			
				TRANS. APPR. RAIL, & FILTER BLANKET COSTS			

DESIGN SECTION-CJF

FUNC. CLASS: MIN. ART.

BR0-0009(16)

ANALYSIS OF BIDS
 JOB NO. BR0906 - BOEUF RIVER STR. & APPRS. (S)
 LETTING OF 11JAN2000

QUANTITY	UNIT	ITEM	ROCK CREEK CONST., INC.	DEON CONSTRUCTION CO., INC.	MILLAR, INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	20,000.00	35,000.00	40,000.00	31,666.67
224.60	CUYD	CLASS S CONCRETE-BRIDGE	450.00	515.00	415.00	460.00
278.90	CUYD	CLASS S(AE) CONCRETE-BRIDGE	430.00	525.00	390.00	448.33
22.90	GAL	CLASS 1 PROTECT.SURF.TREATMENT	21.00	29.00	75.00	41.67
86,230.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.45	0.55	0.43	0.48
2,490.00	LF	CONC.PILING (18" SQUARE)	45.00	55.00	60.00	53.33
185.00	LF	TEST PILES (18" SQUARE)	120.00	100.00	125.00	115.00
157,430.00	LB	STR.ST.BM.SPANS(M270-GR50W)	0.80	1.04	1.20	1.01
6,124.00	CUIN	ELASTOMERIC BEARINGS	1.65	2.30	2.25	2.07
111.00	LF	PREFORMED JOINT SEAL	35.00	36.00	50.00	40.33
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	220.00	175.00	150.00	181.67
837.00	SQYD	FILTER BLANKET	3.15	3.90	2.00	3.02
450.00	CUYD	DUMPED RIPRAP	60.00	49.00	50.00	53.00
TOTAL AMOUNT BID FOR JOB			\$891,415.35	\$1,011,906.07	\$1,038,465.30	
TOTAL AMOUNT BID FOR BRIDGE			\$584,321.55	\$707,929.80	\$685,870.40	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
04830	290.71	30.83	8,963.51	1A	1B
		A =	8,963.51		

1A 2 - 144' Cont. Comp. W-Beam Units on Column A-frame Bents with Concrete Piles.

1B 17' x 245' Precast Spans on Timber Pile Bents with Concrete Caps; Not on construction line.

OUT TO OUT COST (\$/SF) =	\$584,321.55 /A =	\$ 65.18	* FHWA COST (\$/SF) =	\$534,685.00 /A =	\$ 59.65
LESS REMOVAL / TEMP. BR. (\$/SF)	=	\$ 2.23	EXISTING BR. REMOVAL (\$/SF)	=	\$ 4.69
NET COST (\$/SF)	=	\$ 62.95	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS		

DESIGN SECTION-MEC

FUNC. CLASS: MIN. COLL.

BR0-0041 (14)

ANALYSIS OF BIDS
 JOB NO. BR4107 - BULL CREEK STR. & APPRS. (S)
 LETTING OF 11JAN2000

QUANTITY	UNIT	ITEM	BOWIE BRIDGE LLC	ROCK CREEK CONST., INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	3,500.00	4,000.00	3,750.00
8.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	25.00	56.00	40.50
28.60	CUYD	CLASS S CONCRETE-BRIDGE	800.00	700.00	750.00
6.00	EACH	31' PRECAST CONC. CURB UNITS	2,705.80	2,650.00	2,677.90
15.00	EACH	31' PRECAST CONC.INTER.UNITS	2,453.99	2,350.00	2,402.00
6.00	EACH	31' PRECAST PARAPET RAIL UNITS	3,196.10	3,100.00	3,148.05
6.60	GAL	CLASS 1 PROTECT.SURF.TREATMENT	150.00	95.00	122.50
3,620.00	LB	REINF.STEEL-BRIDGE (GR 60)	1.00	0.65	0.83
560.00	LF	CONC.PILING(16 OCT/16 SQ)	47.86	38.00	42.93
80.00	LF	TEST PILES (16" OCT/16" SQ.)	77.50	85.00	81.25
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	250.00	200.00	225.00
434.00	SQYD	FILTER BLANKET	2.50	4.00	3.25
217.00	CUYD	DUMPED RIPRAP	75.00	50.00	62.50
TOTAL AMOUNT BID FOR JOB			\$285,841.55	\$289,546.05	
TOTAL AMOUNT BID FOR BRIDGE			\$154,022.85	\$138,064.00	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
04823	93.00	27.00	2,511.00	1A	1B
		A =	2,511.00		

1A 3 - 31' Precast Spans supported by concrete pile bents.

1B 16' x 59, 3-span with timber deck and timber and steel beams supported by timber bents.

OUT TO OUT COST (\$/SF) = \$ 154,022.85	/A =	\$ 61.34	* FHWA COST (\$/SF) = \$133,162.85/A = \$53.03
LESS REMOVAL / TEMP. BR. (\$/SF)	=	\$ 1.39	EXISTING BR. REMOVAL (\$/SF) = \$3.71
NET COST (\$/SF)	=	\$ 59.95	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

DESIGN SECTION-GVA

FUNC. CLASS: MIN. COLL.

STPR-0057(10)

ANALYSIS OF BIDS
 JOB NO. FA5704 - OUACHITA RIVER STR. & APPRS. (S)
 LETTING OF 11JAN2000

QUANTITY	UNIT	ITEM	LENTZ CONST. CO., INC.	MINE CREEK CONTRACTORS, INC.	CRAWFORD CONSTRUCTION CO.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	7,125.00	6,000.00	8,000.00	7,041.67
306.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	60.00	54.00	67.00	60.33
171.60	CUYD	CLASS S CONCRETE-BRIDGE	436.00	404.00	364.00	401.33
247.60	CUYD	CLASS S(AE) CONCRETE-BRIDGE	333.00	444.00	415.00	397.33
21.20	GAL	CLASS 1 PROTECT.SURF.TREATMENT	32.00	25.00	28.00	28.33
86,920.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.54	0.50	0.53	0.52
96.00	LF	STEEL PILING (HP 10X42)	57.00	50.00	40.00	49.00
173,940.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.95	0.95	0.96	0.95
8,921.00	CUIN	ELASTOMERIC BEARINGS	0.95	1.05	1.30	1.10
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	150.00	100.00	120.00	123.33
917.00	SQYD	FILTER BLANKET	3.50	3.00	2.30	2.93
566.00	CUYD	DUMPED RIPRAP	38.00	39.00	38.00	38.33
TOTAL AMOUNT BID FOR JOB			\$677,746.97	\$680,000.00	\$699,252.20	
TOTAL AMOUNT BID FOR BRIDGE			\$434,426.05	\$450,109.85	\$446,536.40	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
04827	303.17	26.83	8,134.97	1A	1B
		A =	8,134.97		

1A 301'-0" Cont. Comp. W-Beam Unit (53-65-65-65-53); Hammerhead Int. Bents with Spread Footing; End Bents with Steel Piling.

1B (#18192) 136' long x 12.7' wide; Steel Truss Span with Steel Stringers and Timber Deck and Approach Spans with Steel and Timber Stringers with Timber Deck; Concrete Substructure.

OUT TO OUT COST (\$/SF) = \$434,426.05 /A =	\$ 53.40	* FHWA COST (\$/SF) = \$402,583.55 /A =	\$49.49
LESS REMOVAL / TEMP. BR. (\$/SF)	= \$ 0.88	EXISTING BR. REMOVAL (\$/SF) =	\$4.13
NET COST (\$/SF)	= \$ 52.52	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS	

FUNC. CLASS: MAJ. COL.

DESIGN SECTION-CJF

NH-051-1(37)

ANALYSIS OF BIDS
 JOB NO. R60112 - HWY. 67 INTERCHANGE STRS. & APPRS. (PHASE I) (F)
 LETTING OF 11JAN2000

QUANTITY	UNIT	ITEM	JENSEN CONSTRUCTION CO.	ODOM CONSTRUCTION, L.L.C.	ANGELO IAFRATE CONST., LLC	AVG. OF LOW BIDS
6,837.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	30.00	13.00	56.00	33.00
5,993.90	CUYD	CLASS S CONCRETE-BRIDGE	280.00	300.00	243.00	274.33
10,846.40	CUYD	CLASS S(AE) CONCRETE-BRIDGE	300.00	210.00	318.00	276.00
17,172.00	SQYD	TEXTURED COATING FINISH	3.50	4.50	2.50	3.50
690.70	GAL	CLASS 1 PROTECT.SURF.TREATMENT	36.00	44.00	25.40	35.13
818,490.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.50	0.39	0.49	0.46
2,203,600.00	LB	EPOXY COAT.REINF.STEEL-GR 60	0.54	0.57	0.59	0.57
53,295.00	LF	CONC.PILING (16" SQUARE)	17.00	33.00	23.90	24.63
24,135.00	LF	CONC.PILING (18" SQUARE)	20.00	35.00	27.85	27.62
3,060.00	LF	TEST PILES (16" SQUARE)	65.00	66.00	34.95	55.32
960.00	LF	TEST PILES (18" SQUARE)	65.00	93.00	36.45	64.82
19.00	EACH	DYNAMIC PILE LOAD TEST	3,000.00	3,547.54	2,000.00	2,849.18
4,321,990.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.96	0.97	1.02	0.98
1,558,030.00	LB	STR.ST.PL.GRD.SPN (M270-GR50W)	0.96	0.90	1.02	0.96
219,977.00	CUIN	ELASTOMERIC BEARINGS	1.25	1.05	1.35	1.22
719.00	LF	PREFORMED JOINT SEAL	45.00	19.00	27.00	30.33
748.00	LF	ARM. JT W/NEOPRENE STRIP SEAL	100.00	62.00	94.00	85.33
4.00	EACH	BRIDGE NAME PLATE (TYPE C)	500.00	500.00	111.00	370.33
233.00	CUYD	CONCRETE RIPRAP	350.00	240.00	240.00	276.67
TOTAL AMOUNT BID FOR JOB			\$22,783,599.35	\$24,017,483.21	\$25,431,240.49	
TOTAL AMOUNT BID FOR BRIDGE			\$14,638,988.65	\$14,773,740.58	\$15,616,730.38	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06791	1460.1	42.83	62,540.68	1A	NA
06792	1573.9	27.83	43,807.06	2A	NA
06793	2870.5	42.83	122,951.08	3A	NA
06794	1506.2	27.83	41,922.65	4A	NA
A =			271,221.47		

- 1A Comp. W-Beam Spans, Cont. Comp. W-Beam Units; Cont. RC Slab Units; Concrete Pile Trestle Bents, Multi-Column Int. Bents with concrete foundation piles, End Bents with concrete foundation piles
- 2A Comp. W-Beam Spans, Cont. Comp. W-Beam Units; Cont. PL. Girder Unit; Multi-Column Int. Bents with concrete foundation piles, End Bents with concrete foundation piles
- 3A Comp. W-Beam Spans, Cont. Comp. W-Beam Units; Cont Comp. PL. Girder Units; Multi-Column Int. Bents with concrete foundation piles, End Bents with concrete foundation piles
- 4A Comp. W-Beam Spans, Cont. W-Beam Unit; RC Slab Units; Concrete Pile Trestle Bents, Multi-Column Int. Bents with concrete foundation piles, End Bents with concrete foundation piles

OUT TO OUT COST (\$/SF) = \$ 14,638,988.65/A = \$53.97 * FHWA COST (\$/SF) = \$14,557,438.65 /A = \$53.67
 LESS REMOVAL / TEMP. BR. (\$/SF) = NA EXISTING BR. REMOVAL (\$/SF) = NA
 NET COST (\$/SF) = \$53.97 * DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

FUNC. CLASS: PRIN. ART.

DESIGN SECTION-CJF

