

BRN-0066(18)

ANALYSIS OF BIDS  
 JOB NO. 030177 - COSSATOT RIVER & RELIEF STRS. & APPRS. (S)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	MOBLEY CONTRACTORS, INC.	MINE CREEK CONTRACTORS, INC.	BOWIE BRIDGE, LLC	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	24,464.70	42,000.00	150,000.00	72,154.90
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 2)	58,991.40	110,000.00	20,000.00	62,997.13
1,669.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	133.24	115.00	4.75	84.33
864.80	CUYD	CLASS S CONCRETE-BRIDGE	384.14	475.00	350.00	403.05
1,439.60	CUYD	CLASS S(AE) CONCRETE-BRIDGE	381.24	444.00	420.00	415.08
123.70	GAL	CLASS 1 PROTECT.SURF.TREATMENT	38.81	25.00	15.00	26.27
118,190.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.47	0.48	0.50	0.48
328,270.00	LB	EPOXY COAT.REINF.STEEL-GR 60	0.59	0.63	0.68	0.63
4,545.00	LF	STEEL PILING (HP 12X53)	34.41	39.50	72.00	48.64
1,350.00	LF	PREBORING	18.79	48.00	25.00	30.60
553.00	LF	PILE ENCASEMENT	69.40	45.00	300.00	138.13
225,160.00	LB	STR.ST.BM.SPANS (M270-GR50W)	1.05	0.98	1.08	1.04
919,140.00	LB	STR.ST.PL.GRD.SPN (M270-GR50W)	1.05	1.02	1.10	1.06
49,147.00	CUIN	ELASTOMERIC BEARINGS	1.29	1.20	1.00	1.16
156.00	LF	PREFORMED JOINT SEAL	45.48	35.00	101.00	60.49
154.00	LF	ARM. JT W/NEOPRENE STRIP SEAL	50.62	90.00	125.00	88.54
2.00	EACH	BRIDGE NAME PLATE (TYPE C)	124.02	150.00	250.00	174.67
TOTAL AMOUNT BID FOR JOB			\$5,298,736.84	\$5,300,000.00	\$5,467,604.27	
TOTAL AMOUNT BID FOR BRIDGE			\$2,941,091.61	\$3,166,519.70	\$3,235,183.65	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06818	212.22	78.17	16,588.43	1A	1B
06819	462.16	78.17	36,126.03	2A	2B
A =			52,714.46		

- 1A 210' Cont. Comp. W-Beam Unit; Steel Pile Bents
- 2A 460' Cont. Comp. Pl. Girder Unit; Steel Pile End Bents, 3-Column Int. Bents on Steel Foundation Files
- 1B 24' x 205' Concrete Deck with Steel Stringer, Concrete Pile Bents.
- 2B 24' x 420' Concrete Deck with Steel Stringer, Concrete Substructure

OUT TO OUT COST (\$/SF)=	\$2,941,091.61	/A =	\$ 55.79	* FHWA COST (\$/SF)=	\$2,857,635.51	/A =	\$54.21
LESS REMOVAL / TEMP. BR. (\$/SF)		=	1.58	EXISTING BR. REMOVAL (\$/SF)		=	\$5.56
NET COST (\$/SF)		=	\$ 54.21	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS			

FUNC. CLASS: PRIN. ART.

DESIGN SECTION-GVA

BRN-0072 (12)

ANALYSIS OF BIDS  
 JOB NO. 040027 - ILLINOIS RIVER STR. & APPRS. (PRAIRIE GROVE) (S)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	APAC-ARKANSAS, INC, MCCLINTON-ANCHOR DIV	PARADIGM CONST. & ENGRNG., INC.	M. J. LEE CONSTRUCTION CO.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	30,000.00	55,000.00	105,000.00	63,333.33
739.00	CU M	UNCLASS.EXCAV.FOR STRS-BR	128.80	145.00	65.40	113.07
319.60	CU M	CLASS S CONCRETE-BRIDGE	567.00	460.00	490.48	505.83
553.90	CU M	CLASS S(AE) CONCRETE-BRIDGE	477.00	460.00	523.18	486.73
246.00	L	CLASS 1 PROTECT.SURF.TREATMENT	13.45	10.00	14.53	12.66
28,165.00	KG	REINF.STEEL-BRIDGE (GR.420)	1.30	1.25	1.32	1.29
74,785.00	KG	EPOXY COAT.REINF.STEEL-GR420	1.40	1.35	1.43	1.39
93.00	M	STEEL PILING (HP 310X79)	205.00	120.00	131.23	152.08
191,450.00	KG	STR.ST.BM.SPANS (M270-GR345W)	2.35	2.40	2.25	2.33
1,233,470.00	CUCM	ELASTOMERIC BEARINGS	0.06	0.12	0.08	0.09
44.00	M	ARM. JT W/NEOPRENE STRIP SEAL	300.00	300.00	295.28	298.43
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	110.00	150.00	300.00	186.67
561.00	SQ M	FILTER BLANKET	2.80	3.00	4.41	3.40
362.00	CU M	DUMPED RIPRAP	47.00	35.00	60.52	47.51
1.00	L.S.	SHORING	8,000.00	15,000.00	24,000.00	15,666.67

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 TOTAL AMOUNT BID FOR JOB                    \$2,618,749.11                    \$2,746,352.00                    \$3,029,389.66  
 TOTAL AMOUNT BID FOR BRIDGE                \$1,298,104.40                    \$1,363,950.40                    \$1,350,891.20  
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BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06732	117.15	21.95	2,571.49	1A	1B

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 A =                    2,571.49

1A 116.5m Cont. W-Beam Unit on Column Int. Bents and Pile End Bents

1B 112.8m x 8.4m; 7-Concrete Deck Girder Spans and 3-W-Beam Spans on Concrete Bents

OUT TO OUT COST (\$/SM)=	\$1,298,104.40 /A =	\$ 504.81	* FHWA COST (\$/SM)=	\$1,249,519.60/A =	\$ 485.91 (\$45.14/SF))
LESS REMOVAL / TEMP. BR.	(\$/SM)	=	11.67	EXISTING BR. REMOVAL (\$/SM)	= \$ 31.66
NET COST (\$/SM)	=	\$ 493.14	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS		

FUNC. CLASS: MIN. ART.

DESIGN SECTION-JGT

NOTE: METRIC JOB

BRN-0065 (29)

ANALYSIS OF BIDS  
 JOB NO. 040229 - WEST CREEK STR. & APPRS. (S)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	CRAWFORD CONSTRUCTION CO.	PARADIGM CONST. & ENGRNG., INC	MINE CREEK CONTRACTORS, INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	4,500.00	5,000.00	16,000.00	8,500.00
88.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	45.00	60.00	70.00	58.33
85.00	CUYD	CLASS S CONCRETE-BRIDGE	325.00	350.00	475.00	383.33
127.80	CUYD	CLASS S(AE) CONCRETE-BRIDGE	350.00	325.00	475.00	383.33
11.50	GAL	CLASS 1 PROTECT.SURF.TREATMENT	20.00	35.00	30.00	28.33
33,270.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.45	0.50	0.48	0.48
140.00	LF	STEEL PILING (HP 10X42)	35.00	40.00	60.00	45.00
77,960.00	LB	STR.ST.BM.SPANS(M270-GR50W)	0.90	0.80	1.00	0.90
132.00	LF	PREFORMED JOINT SEAL	20.00	20.00	28.00	22.67
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	100.00	150.00	150.00	133.33
473.00	SQYD	FILTER BLANKET	2.00	1.50	3.00	2.17
262.00	CUYD	DUMPED RIPRAP	30.00	27.00	38.00	31.67
TOTAL AMOUNT BID FOR JOB			\$679,534.95	\$746,096.92	\$755,000.00	
TOTAL AMOUNT BID FOR BRIDGE			\$182,626.50	\$177,144.00	\$241,135.60	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06780	134.08	33.17	4,447.10	1A	1B
		A =	4,447.10		

1A 3 - 44' Comp. W-Beam Simple Spans; 2-Column Int. Bent with Spread Footings; End Bent with Steel Piling

1B 25'-1"wide x 77'long; Steel Beams with Corrugated Deck Forms and Asphalt Deck; Concrete Abutments

OUT TO OUT COST (\$/SF) =	\$182,626.50 /A = \$ 41.07	* FHWA COST (\$/SF) = \$169,320.50 /A = \$38.07
LESS REMOVAL / TEMP. BR. (\$/SF)	= 1.01	EXISTING BR. REMOVAL (\$/SF) = \$2.33
NET COST (\$/SF)	= \$ 40.06	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

FUNC. CLASS: MAJ. COL.

DESIGN SECTION-CJF

BIM-B30-0(1)0

ANALYSIS OF BIDS  
 JOB NO. B30100 - HWY. 299-HWY. 371 (F)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	MADDEN CONTRACTING CO., INC.	APAC-TEXAS, INC.	GILBERT CENTRAL CORP.	AVG. OF LOW BIDS
29,340.00	LB	STRUCT. STEEL (M270-GR50W)	3.30	3.30	3.75	3.45
435.00	LF	PREFORMED JOINT SEAL	20.00	20.00	25.00	21.67
2.00	L.S.	MOD. OF EXIST. BR. STRUCT. - BR	18,000.00	18,000.00	2,000.00	12,666.67
1.00	L.S.	MOD. OF EXIST. BR. STRUCT. - BR	18,000.00	18,000.00	4,000.00	13,333.33
1.00	L.S.	RAISING EXIST. STRUCT. - BR. NO	70,000.00	70,000.00	15,000.00	51,666.67
1.00	L.S.	RAISING EXIST. STRUCT. - BR. NO	70,000.00	70,000.00	15,000.00	51,666.67
1.00	L.S.	RAISING EXIST. STRUCT. - BR. NO	70,000.00	70,000.00	15,000.00	51,666.67
TOTAL AMOUNT BID FOR JOB			\$8,166,935.13	\$8,324,394.02	\$9,594,696.53	
TOTAL AMOUNT BID FOR BRIDGE			\$369,522.00	\$369,522.00	\$173,900.00	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
5057	314.50	31.25	9,828.	NA	1B
5060	464.58	31.25	14,518.13	NA	2B
5061	489.34	42.25	20,674.62	NA	3B
			A =	45,020.87	

1A NA  
 2A NA  
 3A NA

1B 28' x 314.50' Simple Comp. W-Beam Spans; Cont. Comp. W-Beam Unit, Concrete Pile End Bents, Concrete Foundation Pile Int. Bents  
 2B 28' x 464.58' Simple Comp. Pl. Girder Spans, Cont. Comp. Pl. Girder Unit, Concrete Pile End Bents, Concrete Foundation Pile Int. Bents  
 3B 39' x 489.34' Simple Comp. Pl. Girder Spans, Cont. Comp. Pl. Girder Unit, Concrete Pile End Bents, Concrete Foundation Pile Int. Bents

OUT TO OUT COST (\$/SF) = \$369,522.00 /A = \$ 8.21      \* FHWA COST (\$/SF) = \$369,522.00 /A = \$8.21  
 LESS REMOVAL / TEMP. BR. (\$/SF) = NA      EXISTING BR. REMOVAL (\$/SF) = NA

NET COST (\$/SF) = \$ 8.21      \* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

FUNC. CLASS: PRIN. ART. - INTERSTATE

DESIGN SECTION-GVA

NOTE: Raising Existing Bridges

BIM-B30-0(1)0 & STATE

ANALYSIS OF BIDS  
 JOB NO. B60123 - I-30 BRIDGE REPAIR & IMPVTS. (NEAR SOCIAL HILL) (S)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	PARADIGM CONST. & ENGRNG., INC	MOBLEY CONTRACTORS, INC.	SOUTER CONSTRUCTION CO., INC.	AVG. OF LOW BIDS
22.50	CUYD	CLASS S CONCRETE-BRIDGE	1,200.00	1,282.24	1,122.06	1,201.43
31.00	CUYD	CLASS S(AE) CONCRETE-BRIDGE	1,200.00	1,003.21	1,130.91	1,111.37
3.30	GAL	CLASS 1 PROTECT.SURF.TREATMENT	100.00	103.82	37.95	80.59
10,335.00	LB	REINF.STEEL-BRIDGE (GR 60)	1.50	0.70	1.64	1.28
24.00	EACH	REPAIR. EXIST. ANCHOR BOLTS	200.00	199.08	404.80	267.96
1.00	L.S.	REMODEL. EXIST. BR. STRUCT.	95,000.00	114,541.20	151,800.00	120,447.07
1.00	L.S.	BR. SUPERSTRUCT. REPAIR	25,000.00	18,822.00	37,950.00	27,257.33
14,050.00	LB	STR.ST.BM.SPANS(M270-GR36)	4.50	4.26	5.06	4.61
156.00	LF	PREFORMED JOINT SEAL	20.00	61.39	50.60	44.00
36.10	TON	CL&PAINT EXST.STR.STEEL-TY 2	1,500.00	1,265.53	632.50	1,132.68
1.00	L.S.	DISP.OF HAZ.WASTE-SITE 1	5,000.00	3,600.00	3,162.50	3,920.83
1.00	L.S.	BENT REPAIR	93,000.00	63,858.00	25,300.00	60,719.33
TOTAL AMOUNT BID FOR JOB			\$624,358.30	\$690,514.55	\$696,477.08	
TOTAL AMOUNT BID FOR BRIDGE			\$423,327.50	\$388,241.61	\$407,126.75	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
05026	304.21	29.50	8,974.15	1A	1B
		A =	8,974.15		

1A 304'-2½" x 29'-6"; 5 - Simple Comp. W-Beam Spans on Concrete Column Bents and Pile End Bents

1B 304'-2½" x 29'-6"; 5 - Simple Comp. W-Beam Spans on Concrete Column Bents and Pile End Bents

OUT TO OUT COST (\$/SF)=	\$423,327.50	/A = \$ 47.17	* FHWA COST (\$/SF)= \$148,020.00	/A = \$16.49
LESS REMOVAL / TEMP. BR. (\$/SF)		= NA	EXISTING BR. REMOVAL (\$/SF) =	\$0.00
NET COST (\$/SF)		= \$ 47.17	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS	

FUNC. CLASS: PRIN. ART. - INTERSTATE

DESIGN SECTION-JGT

NOTE: This Bridge Raised as Bond Job with Federal Money; Repaired with State Funds. See Attached for Cost Breakdown

BRO-0011 (23)

ANALYSIS OF BIDS  
 JOB NO. BR1106 - BIG SLOUGH DITCH STR. & APPRS. NO. 4 (S)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	J. W. GITHENS CO.	B. L. MCBRIDE, & SON, INC.	ROBERTSON, INC., BRIDGE & GRADING DIV.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	4,700.00	5,000.00	3,200.00	4,300.00
40.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	20.00	25.00	8.50	17.83
56.70	CUYD	CLASS S CONCRETE-BRIDGE	360.00	400.00	370.00	376.67
4.00	EACH	19' PRECAST CONC. CURB UNITS	1,800.00	1,800.00	1,875.00	1,825.00
4.00	EACH	25' PRECAST CONC. CURB UNITS	2,500.00	2,360.00	2,585.00	2,481.67
2.00	EACH	31' PRECAST CONC. CURB UNITS	2,500.00	2,500.00	2,610.00	2,536.67
12.00	EACH	19' PRECAST CONC.INTER.UNITS	1,500.00	1,550.00	1,560.00	1,536.67
12.00	EACH	25' PRECAST CONC.INTER.UNITS	2,050.00	1,975.00	2,110.00	2,045.00
6.00	EACH	31' PRECAST CONC.INTER.UNITS	2,500.00	2,450.00	2,600.00	2,516.67
4.00	EACH	19' PRECAST PARAPET RAIL UNITS	2,200.00	2,200.00	2,420.00	2,273.33
4.00	EACH	25' PRECAST PARAPET RAIL UNITS	2,700.00	2,550.00	2,950.00	2,733.33
2.00	EACH	31' PRECAST PARAPET RAIL UNITS	3,250.00	3,100.00	3,835.00	3,395.00
9.20	GAL	CLASS 1 PROTECT.SURF.TREATMENT	40.00	35.00	50.00	41.67
6,250.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.70	0.60	0.71	0.67
1,080.00	LF	STEEL SHELL PILING (18")	48.50	50.00	51.00	49.83
138.00	LF	PILE ENCASEMENT	45.00	90.00	44.00	59.67
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	130.00	250.00	120.00	166.67
344.00	SQYD	FILTER BLANKET	2.00	3.00	2.00	2.33
202.00	CUYD	DUMPED RIPRAP	33.00	35.00	29.00	32.33

TOTAL AMOUNT BID FOR JOB	\$325,361.85	\$359,520.70	\$371,517.70
TOTAL AMOUNT BID FOR BRIDGE	\$202,629.00	\$211,364.00	\$209,084.50

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
04839	119.00	30.50	3,629.50	1A	1B

A = 3,629.50

1A Precast Concrete Spans on Steel Shell Pile Bents.

1B 15.6' x 110' Timber Deck on Steel Beams on Timber Substructure.

OUT TO OUT COST (\$/SF) = \$202,629.00 /A = \$55.83  
 LESS REMOVAL / TEMP. BR. (\$/SF) = 1.29

\* FHWA COST (\$/SF) = \$190,575.00 /A = \$52.51  
 EXISTING BR. REMOVAL (\$/SF) = \$2.74

NET COST (\$/SF) = \$54.53

\* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS

FUNC. CLASS: LOCAL

DESIGN SECTION-MEC

BRO-0028 (23)

ANALYSIS OF BIDS  
 JOB NO. BR2812 - BIG SLOUGH DITCH STR. & APPRS. NO. 2 (S)  
 LETTING OF 14NOV2000

QUANTITY	UNIT	ITEM	J. W. GITHENS CO.	MOBLEY CONTRACTORS, INC.	ROBERTSON CONTRACTORS, INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	50,000.00	9,572.06	30,000.00	29,857.35
73.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	16.00	19.59	30.00	21.86
232.60	CUYD	CLASS S CONCRETE-BRIDGE	436.00	412.26	480.00	442.75
360.60	CUYD	CLASS S(AE) CONCRETE-BRIDGE	480.00	496.54	450.00	475.51
28.40	GAL	CLASS 1 PROTECT.SURF.TREATMENT	40.00	35.12	55.00	43.37
92,800.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.57	0.54	0.75	0.62
450.00	LF	STEEL SHELL PILING (14")	41.50	42.93	50.00	44.81
1,600.00	LF	STEEL SHELL PILING (24")	81.00	79.03	85.00	81.68
274,920.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.93	0.89	1.10	0.97
10,828.00	CUIN	ELASTOMERIC BEARINGS	1.60	1.44	2.50	1.85
64.00	LF	CLOSED CELL JOINT FILLER	33.00	40.07	55.00	42.69
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	130.00	149.91	250.00	176.64

TOTAL AMOUNT BID FOR JOB                    \$989,953.44                    \$1,007,998.14                    \$1,217,689.60

TOTAL AMOUNT BID FOR BRIDGE                \$803,219.00                    \$745,807.55                    \$869,022.00

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
04843	360.34	31.17	11,230.40	1A	1B
		A =	11,230.40		

1A 28' x 358' Cont. Comp. W-Beam Unit, Concrete Filled Steel Shell Pile Bents

1B 8.3' x 253' - 3-84' Steel Deck Trusses Supported by Timber Substructure

OUT TO OUT COST (\$/SF)=	\$803,219.00 /A = \$ 71.52	* FHWA COST (\$/SF)=	\$753,219.00 /A = \$67.07
LESS REMOVAL / TEMP. BR. (\$/SF)	= 4.45	EXISTING BR. REMOVAL (\$/SF)	= \$23.81
NET COST (\$/SF)	= \$ 67.07	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS	

FUNC. CLASS: LOCAL

DESIGN SECTION-GVA