

BRN-0044 (6)

ANALYSIS OF BIDS
 JOB NO. 009917 - WAR EAGLE CREEK STR. & APPRS. (S)
 LETTING OF 17MAY2000

QUANTITY	UNIT	ITEM	WEST PLAINS BR. & GRADING, LLC	CROUSE CONSTRUCTION CO.	ODOM CONSTRUCTION, L.L.C.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	8,900.00	10,000.00	10,787.85	9,895.95
1,258.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	47.00	40.00	40.00	42.33
849.20	CUYD	CLASS S CONCRETE-BRIDGE	376.00	320.00	305.00	333.67
842.00	CUYD	CLASS S(AE) CONCRETE-BRIDGE	327.00	320.00	400.00	349.00
71.10	GAL	CLASS 1 PROTECT.SURF.TREATMENT	18.00	50.00	30.00	32.67
115,730.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.60	0.50	0.50	0.53
190,200.00	LB	EPOXY COAT.REINF.STEEL-GR 60	0.59	0.70	0.61	0.63
610.00	LF	STEEL PILING (HP 12X53)	34.00	30.00	30.00	31.33
100.00	LF	PREBORING	125.00	200.00	508.00	277.67
990,910.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.99	1.05	1.42	1.15
21,836.00	CUIN	ELASTOMERIC BEARINGS	1.29	1.27	1.50	1.35
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	150.00	100.00	225.00	158.33
422.00	SQYD	FILTER BLANKET	3.50	3.00	2.00	2.83
257.00	CUYD	DUMPED RIPRAP	46.00	35.00	45.00	42.00

 TOTAL AMOUNT BID FOR JOB \$3,446,065.67 \$3,490,557.01 \$3,874,606.09
 TOTAL AMOUNT BID FOR BRIDGE \$1,901,453.34 \$1,912,912.22 \$2,354,514.05

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
06798	732.17	39.17	28,676.53	1A	1B

A = 28,676.53

1A 230' comp. Plate Girder Unit and 2 - 250' comp. Plate Girder Units; Hammerhead Int. Bents w/spread footings; End Bents w/steel piling
 1B (Br. 01676) 256' long x 18' wide; 2 main spans with steel beams and concrete deck w/concrete bents; 8 approach spans with timber beams and concrete deck with timber bents

OUT TO OUT COST (\$/SF)=	\$1,901,453.34 /A = \$	66.31	* FHWA COST (\$/SF)=	\$1,879,254.34 /A =	\$65.53
LESS REMOVAL / TEMP. BR. (\$/SF)	=	0.31	EXISTING BR. REMOVAL (\$/SF) =	=	\$ 1.93
NET COST (\$/SF)	= \$	66.00	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS		

DESIGN SECTION-CJF

FUNC. CLASS - Min. Art.

BRN-0072 (22)

ANALYSIS OF BIDS
 JOB NO. 040230 - WHITE RIVER, RICHLAND & BRUSH CRKS. STRS. & APPRS. (S)
 LETTING OF 17MAY2000

QUANTITY	UNIT	ITEM	WEST PLAINS BR. & GRADING, LLC	MOBLEY CONTRACTORS, INC.	JENSEN CONSTRUCTION CO.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	20,600.00	87,366.24	166,000.00	91,322.08
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 2)	15,500.00	61,172.28	80,000.00	52,224.09
47.20	M	TEMP.BR.STR. (7.2M RDWY.)	2,505.00	1,748.71	2,500.00	2,251.24
921.00	CU M	UNCLASS.EXCAV.FOR STRS-BR	35.45	225.46	200.00	153.64
722.30	CU M	CLASS S CONCRETE-BRIDGE	560.25	550.71	470.00	526.99
744.90	CU M	CLASS S(AE) CONCRETE-BRIDGE	590.36	494.44	470.00	518.27
283.80	CU M	SRA MOD. CLASS S(AE) CONCRETE	653.35	474.86	550.00	559.40
433.00	L	CLASS 1 PROTECT.SURF.TREATMENT	5.60	27.73	15.00	16.11
54,180.00	KG	REINF.STEEL-BRIDGE (GR.420)	1.37	1.08	1.20	1.22
135,640.00	KG	EPOXY COAT.REINF.STEEL-GR420	1.30	1.40	1.40	1.37
453.20	M	STEEL PILING (HP 310X79)	130.70	111.40	100.00	114.03
450,745.00	KG	STR.ST.BM.SPANS(M270-GR345W)	2.29	1.81	2.40	2.17
579,900.00	CUCM	ELASTOMERIC BEARINGS	0.13	0.12	0.25	0.17
25.90	M	PERFORMED JOINT SEAL	154.20	157.16	200.00	170.45
66.90	M	ARM. JT W/NEOPRENE STRIP SEAL	256.00	250.77	350.00	285.59
3.00	EACH	BRIDGE NAME PLATE (TYPE C)	200.00	35.55	350.00	195.18
1,886.00	SQ M	FILTER BLANKET	4.00	2.82	4.00	3.61
543.00	CU M	DUMPED RIPRAP	80.00	50.48	60.00	63.49
474.00	MTON	FOUNDATION PROTECTION RIPRAP	26.70	29.07	30.00	28.59
1.00	L.S.	MOD.EXISTING BR.STR(BR 02712)	15,100.00	33,672.60	80,000.00	42,924.20
0.10	CU M	REPAIR OF EXISTING BENTS	13,050.00	72,282.60	50,000.00	45,110.87
6.00	M	CRACK REPAIR	450.00	234.00	200.00	294.67
TOTAL AMOUNT BID FOR JOB			\$4,528,899.38	\$4,597,113.92	\$5,036,698.83	
TOTAL AMOUNT BID FOR BRIDGE			\$2,741,108.59	\$2,645,684.98	\$3,097,553.00	

BRN-0072 (22)

ANALYSIS OF BIDS
 JOB NO. 040230 - WHITE RIVER, RICHLAND & BRUSH CRKS. STRS. & APPRS. (S)
 LETTING OF 17MAY2000

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
02712	61.62	12.95	798.03	1A	1B
06789	164.65	12.95	2,132.22	2A	2B
06790	107.69	12.95	1,394.61	3A	3B

A = 4,324.86

- 1A 61.624 m, 60.96 comp. W-Beam Unit, Multi. Column Int. Bts., End Bts. w/steel piles
- 2A 164.650 m, 85 m comp. W-Beam Unit, 79 m comp. W-Beam Unit, Multi & Single Col. Int. Bts., End bts. w/steel piles
- 3A 107.692 m, 107 m comp. W-Beam Unit, Multi. Column Int. Bts., End Bts. w/steel piles
- 1B 8.56 m x 61.57 m, 4-span with conc. deck & steel beams on multi column int. bts., End bts. w/steel piles
- 2B Br. #02207, 10.2 m x 160.9 m with conc. deck & steel beams on multi column pile int. bts., End bs. w/steel piles
- 3B Br. 02208, 10.2 m x 105.8 m, conc. Deck & steel beams on multi column int. bts., End bts. w/steel piles

OUT TO OUT COST (\$/SM) =	\$2,741,108.59 /A =	\$633.81		* FHWA COST (\$/SM) =	2,523,132.79/A =	\$583.40 (SF/\$54.17)
LESS REMOVAL / TEMP. BR.	(\$/SM)	=	35.69	EXISTING BR. REMOVAL (\$/SM)	=	\$10.24
NET COST (\$/SM)			=	\$598.12		

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

NOTE: METRIC JOB

DESIGN SECTION-JGT

FUNC. CLASS - Maj. Coll.

ANALYSIS OF BIDS
 JOB NO. 050030 - CO. RD. 6-HWY. 14S (S)
 LETTING OF 17MAY2000

QUANTITY	UNIT	ITEM	ATLAS ASPHALT, INC.	DELTA ASPHALT OF ARK., INC.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	8,000.00	70,000.00	39,000.00
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 2)	8,000.00	70,000.00	39,000.00
66.00	LF	4" PIPE UNDERDRAINS	6.00	10.00	8.00
4,128.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	45.00	15.00	30.00
1,037.60	CUYD	CLASS S CONCRETE-BRIDGE	370.00	330.00	350.00
444.40	CUYD	CLASS S(AE) CONCRETE-BRIDGE	450.00	400.00	425.00
19.00	GAL	CLASS 1 PROTECT.SURF.TREATMENT	50.00	50.00	50.00
208,550.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.50	0.60	0.55
47,200.00	LB	EPOXY COAT.REINF.STEEL-GR 60	0.70	0.70	0.70
1.00	EACH	BRIDGE NAME PLATE (TYPE C)	100.00	200.00	150.00
168.00	SQFT	DAMP-PROOFING	40.00	50.00	45.00
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	30,000.00	200,000.00	115,000.00

TOTAL AMOUNT BID FOR JOB \$9,194,557.82 \$11,213,913.61

TOTAL AMOUNT BID FOR BRIDGE \$961,133.00 \$1,090,468.00

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
A0560	104.00	78.17	8,129.33	1A	1B
		A =	8,129.33		

1A 34.5', 35.0' and 34.5' RCDG Spans; Abutments with wings on spread footings; Multiple column interior Bents on spread footings.

1B Br. A0561 31.7' x 50' RCDG 2 span col. Int. bt; Wall abuts.
 Br. A0562 31.7' x 105' 3 spans, same sub. type

OUT TO OUT COST (\$/SF) = \$961,133.00 /A = \$118.23/SF
 LESS REMOVAL / TEMP. BR. (\$/SF) = \$ 1.97

* FHWA COST (\$/SF) = \$945,133.00 /A = \$116.26/SF
 EXISTING BR. REMOVAL (\$/SF) = \$3.26/SF

NET COST (\$/SF) = \$116.26/SF

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

DESIGN SECTION-MEC

FUNC. CLASS - Prin. Art.

ANALYSIS OF BIDS
 JOB NO. B70101 - HWY. 53-GUM SPRINGS (F)
 LETTING OF 17MAY2000

QUANTITY	UNIT	ITEM	MARTIN MARIETTA MATERIALS, INC.	ROGERS GROUP, INC.	GILBERT CENTRAL CORP.	AVG. OF LOW BIDS
2,219.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	94.00	100.00	75.00	89.67
1,581.40	CUYD	CLASS S CONCRETE-BRIDGE	370.00	375.00	420.00	388.33
3,104.60	CUYD	CLASS S(AE) CONCRETE-BRIDGE	320.00	325.00	260.00	301.67
71.20	CUYD	SEAL CONCRETE-BRIDGE	310.00	315.00	200.00	275.00
253.60	GAL	CLASS 1 PROTECT.SURF.TREATMENT	30.00	31.00	70.00	43.67
185,560.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.55	0.55	0.65	0.58
691,240.00	LB	EPOXY COAT.REINF.STEEL-GR 60	0.55	0.55	0.70	0.60
1,600.00	LF	STEEL PILING (HP 12X53)	32.00	33.00	40.00	35.00
5,510.00	LF	CONC.PILING (18" SQUARE)	35.00	35.00	50.00	40.00
700.00	LF	CONC.PILING(16 OCT/14 SQ)	34.00	34.00	50.00	39.33
380.00	LF	TEST PILES (18" SQUARE)	95.00	96.00	100.00	97.00
115.00	LF	TEST PILES (16" OCT/14" SQ.)	80.00	82.00	120.00	94.00
528.00	LF	PILE ENCASEMENT	42.00	45.00	60.00	49.00
1,511,920.00	LB	STR.ST.BM.SPANS (M270-GR50W)	0.98	0.96	0.94	0.96
98,603.00	CUIN	ELASTOMERIC BEARINGS	1.60	1.70	1.75	1.68
1,452.00	LF	PREFORMED JOINT SEAL	35.00	36.00	70.00	47.00
8.00	EACH	BRIDGE NAME PLATE (TYPE C)	150.00	175.00	200.00	175.00
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	75,000.00	80,000.00	120,000.00	91,666.67
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	75,000.00	80,000.00	92,000.00	82,333.33
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	70,000.00	75,000.00	78,000.00	74,333.33
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	70,000.00	75,000.00	78,000.00	74,333.33
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	70,000.00	75,000.00	72,000.00	72,333.33
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	70,000.00	75,000.00	70,000.00	71,666.67
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	38,000.00	40,000.00	42,000.00	40,000.00
1.00	L.S.	MOD.EXISTING BR.STR(BR_____)	38,000.00	40,000.00	40,000.00	39,333.33
12.00	CUFT	REPAIR OF EXISTING PIERS	575.00	600.00	350.00	508.33
90.00	LF	CRACK REPAIR	90.00	100.00	125.00	105.00
TOTAL AMOUNT BID FOR JOB			\$17,967,926.24	\$18,109,501.52	\$20,057,743.83	
TOTAL AMOUNT BID FOR BRIDGE			\$4,846,888.40	\$4,904,509.90	\$5,036,713.05	

IMD-IM-30-1(136)62

ANALYSIS OF BIDS
JOB NO. B70101 - HWY. 53-GUM SPRINGS (F)
LETTING OF 17MAY2000

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
A3814	402.39	43.17	17,369.64	1 A3814	NA
A3815	332.63	43.17	14,358.31	2 A3815	NA
A3816	312.15	43.17	13,474.52	3 A3816	NA
A3818	152.67	43.17	6,590.11	4 A3818	NA
B3814	402.39	43.17	17,369.64	5 B3814	NA
B3815	332.63	43.17	14,358.31	6 B3815	NA
B3816	312.15	43.17	13,474.52	7 B3816	NA
B3818	152.67	43.17	6,590.11	8 B3818	NA

A =			103,585.16		

- 1 A3814 2 - 150'-1" Cont. comp. W-Beam Unit, 70' & 30'-1 Simple comp. W-Beam spans, Conc. Pile Bts. & Col. Bts. on Spread Ftgs.
- 2 A3815 3 - 90'-1" Cont. comp. W-Beam Unit, 60' Simple comp. W-Bm span, Conc. Pile Bts. & Steel Foundation Pile Bts.
- 3 A3816 2 - 50' Comp. W-Beam Spans, 210' Cont. comp. W-Bm Unit, Conc. Pile Bts. & Col. Bts. on Spread Ftgs.
- 4 A3818 150' Cont. comp. W-Beam Unit, Steel Pile Bts.
- 5 B3814 2 - 150'-1" Cont. comp. W-Beam Unit, 70' & 30'-1 Simple comp. W-Beam spans, Conc. Pile Bts. & Col. Bts. on Spread Ftgs.
- 6 B3815 3 - 90'-1" Cont. comp. W-Beam Unit, 60' Simple comp. W-Beam span, Conc. Pile Bts. & Steel Foundation Pile Bts.
- 7 B3816 2 - 50' Comp. W-Beam Spans, 210' Cont. comp. W-Beam Unit, Conc. Pile Bts. & Col. Bts. on Spread Ftgs.
- 8 B3818 150' Cont. comp. W-Beam Unit, Steel Pile Bts.

OUT TO OUT COST (\$/SF) =	\$4,846,888.40	/A =	\$46.79	* FHWA COST (\$/SF) =	\$4,846,888.40/A =	\$46.79
LESS REMOVAL / TEMP. BR. (\$/SF)		=	NA	EXISTING BR. REMOVAL (\$/SF)	=	NA
NET COST (\$/SF)		=		* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS		

FUNC. CLASS - Prin. Art.

DESIGN SECTION-GVA

IM-40-5(135)228

ANALYSIS OF BIDS
 JOB NO. B10100 - GOODWIN-EAST (F)
 LETTING OF 17MAY2000

QUANTITY	UNIT	ITEM	APAC-TENNESSEE, INC.	ANGELO IAFRATE CONST., LLC	GILBERT CENTRAL CORP.	AVG. OF LOW BIDS
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 1)	75,000.00	50,000.00	38,649.00	54,549.67
1.00	L.S.	REMV.EXIST.BR.STR. (SITE 2)	40,000.00	50,000.00	40,000.00	43,333.33
328.00	CUYD	UNCLASS.EXCAV.FOR STRS-BR	60.00	212.00	40.00	104.00
73.90	CUYD	CLASS S CONCRETE-BRIDGE	450.00	293.00	500.00	414.33
12,040.00	LB	REINF.STEEL-BRIDGE (GR 60)	0.55	0.47	0.80	0.61
669.00	LF	CONC.PILING (18" SQUARE)	60.00	50.00	100.00	70.00
46.00	LF	TEST PILES (18" SQUARE)	170.00	72.00	115.00	119.00
TOTAL AMOUNT BID FOR JOB			\$25,821,093.40	\$27,019,753.63	\$27,966,885.45	
TOTAL AMOUNT BID FOR BRIDGE			\$222,517.00	\$233,609.50	\$210,541.00	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
B6770	0.00	0.00	0.00	1A	1B
		A =	0.00		

1A

1B

OUT TO OUT COST (\$/SF) =	\$222,517.00	/A =	* FHWA COST (\$/SF) =	/A =
LESS REMOVAL / TEMP. BR. (\$/SF)		=	EXISTING BR. REMOVAL (\$/SF) =	
NET COST (\$/SF)		=	* DEDUCT REMOVAL, TEMP. BR., RIPRAP, & FILTER BLANKET COSTS	

DESIGN SECTION-GVA

COMMENT: REPLACE BRIDGES WITH BOX CULVERTS; CONSTRUCT FOOTINGS AND COLS. FOR FUTURE FORREST CITY BYPASS INTERIOR BENT.