

## ANALYSIS OF BIDS

JOB NO. 061275 - ARKANSAS RIVER STR. &amp; APPRS (BROADWAY) (LR/NLR) (F)

LETTING OF SEPTEMBER 17, 2014

QUANTITY	UNIT	ITEM	MASSMAN CONST. CO.	PCL CIVIL CONSTRS., INC.	EDWARD KRAMER & SONS, INC.	AVG OF LOW BIDS
1.00	L.S	REMV. EXIST. BR.STR. (SITE 1)	3,750,000.00	4,000,000.00	22,000,000.00	9,916,666.67
1.00	L.S	REMV. EXIST. BR.STR. (SITE 2)	200,000.00	2,000,000.00	1,500,000.00	1,233,333.33
1.00	L.S	REMV. EXIST. BR.STR. (SITE 3)	400,000.00	2,058,056.36	1,500,000.00	1,319,352.12
3,299.00	CUYD	UNCLASS. EXCAV.FOR STRS-BR	35.00	75.00	49.36	53.12
3,047.90	CUYD	CLASS S CONCRETE - BRIDGE	750.00	1,100.00	627.47	825.82
7,756.00	CUYD	CLASS B CONCRETE - BRIDGE	695.00	1,100.00	750.00	848.33
5,743.80	CUYD	CLASS S(AE) CONCRETE - BRIDGE	1,000.00	900.00	575.00	825.00
12,393.20	GAL	CLASS 2 PROTECT. SURF.TREATMENT	1.70	15.30	7.25	8.08
2,679,270.00	LB	REINF.STEEL-BRIDGE (GR 60)	1.15	0.74	1.00	0.96
1,581,350.00	LB	EPOXY COAT.REINF.STEEL (GR 60)	1.30	1.00	1.08	1.13
6,114.00	LF	STEEL PILING (HP 12 X 53)	60.00	125.00	60.00	81.67
14,243.00	LF	STEEL PILING (HP 14 X 73)	65.00	135.00	72.00	90.67
2,744.00	LF	PREBORING	175.00	450.00	96.90	240.63
5,038,490.00	LB	STR.ST.PL.GRD.SPNS (M270-GR50)	2.30	2.00	1.72	2.01
413,690.00	LB	STR.ST.BM.SPANS (M270-GR50)	2.90	2.75	2.72	2.79
6,811.20	TON	PAINTING STR.STEEL	560.00	324.39	323.65	402.68
108,733.00	CUIN	ELASTOMERIC BEARINGS	4.00	1.76	2.48	2.75
72.00	LF	ARM.JT W/NEOPRENE STRIP SEAL	550.00	289.47	500.00	446.49
608.00	LF	SILICONE JOINT SEALANT	25.00	525.00	32.00	194.00
2.00	EACH	BRIDGE NAME PLATE (TYPE C)	750.00	847.87	700.00	765.96
5.00	EACH	BRIDGE NAME PLATE (TYPE D)	750.00	1,658.04	1,000.00	1,136.01
224.00	CUYD	CONC RIPRAP	400.00	375.00	735.47	503.49
1.00	L.S	AIRWAY OBSTRUCTION LIGHTING SYSTEM	45,400.00	45,397.00	46,000.00	45,599.00
1.00	L.S.	CLEARANCE GAUGES	35,000.00	50,000.00	50,000.00	45,000.00
189.00	LF	DRILLED SHAFT (72" DIA.)	1,400.00	4,200.00	1,660.00	2,420.00
1,550.00	LF	DRILLED SHAFT (102" DIA.)	3,000.00	5,000.00	2,955.06	3,651.69
99.00	LF	PERMANENT STEEL CASING (78" DIA.)	400.00	1,100.00	614.00	704.67
966.00	LF	PERMANENT STEEL CASING (108" DIA.)	750.00	1,200.00	1,237.37	1,062.46
28.00	EACH	SID INSPECTION	3,500.00	2,920.00	1,800.00	2,740.00
8.00	EACH	HLMR BEARING ASSEMBLY	32,000.00	28,693.63	30,000.00	30,231.21
1.00	L.S.	INSPECTION LIGHTING SYSTEM	20,865.00	20,862.00	21,000.00	20,909.00
3,643.00	LF	METAL HANDRAIL (TYPE H1)	160.00	104.00	107.00	123.67
2,695.00	LF	METAL HANDRAIL (TYPE H2)	230.00	169.00	173.00	190.67
1.00	L.S	NAVIGATION LIGHTING SYSTEM	99,210.00	99,209.00	100,000.00	99,473.00
4.00	EACH	CROSSHOLE SONIC LOGGING (72' DIA.)	7,500.00	6,000.00	2,000.00	5,166.67
24.00	EACH	CROSSHOLE SONIC LOGGING (102' DIA.)	10,000.00	6,000.00	11,250.00	9,083.33
200.00	LF	CORING DRILLED SHAFT	100.00	74.98	204.38	126.45
1.00	EACH	112' STEEL TRUSS	300,000.00	300,000.00	400,000.00	333,333.33

QUANTITY	UNIT	ITEM	MASSMAN CONST. CO.	PCL CIVIL CONSTRS., INC.	EDWARD KRAMER & SONS, INC.	AVG OF LOW BIDS
1.00	L.S	RDWY & SECURITY LIGHTING SYSTEM	2,050,000.00	1,998,526.00	2,000,000.00	2,016,175.33
1.00	L.S	SHORING	500,000.00	1,100,000.00	850,000.00	816,666.67
1.00	L.S	STEEL FENCE & SECURITY GATE	16,300.00	50,000.00	11,000.00	25,766.67
14,154.00	LF	STRUCTURAL HANGERS	200.00	220.00	200.00	206.67
8,193,280.00	LB	STR.ST.IN ARCH SPNS (M270-GR50)	3.66	4.10	3.48	3.75
TOTAL AMOUNT BID FOR JOB			\$98,404,049.69	\$114,141,223.63	\$114,099,356.48	
TOTAL AMOUNT BID FOR BRIDGE			\$85,413,920.74	\$98,595,036.69	\$97,259,236.17	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
07292	1767.17	73.00	<b>129,003.55</b>	1A	1B
07293	92.50	95.00	<b>8,787.50</b>	2A	NA
07294	219.76	34.00	<b>7,471.84</b>	3A	3B
07295	52.29	28.00	<b>1,464.17</b>	4A	NA
04926	451.06	18.73	<b>8,448.40</b>	5A	5B
04927	288.06	18.33	<b>5,281.14</b>	6A	NA
		A =	<b>160,456.59</b>		

- 1A 263'- CCPG UNIT (126' - 137'), 180' CCPG SPN (180'), 896' CONT TIED ARCH PG UNIT (2 @ 448'), 426' CP GR UNIT (199' - 227') ON MULTI COL INT BENTS W/STEEL FOUNDATION PILING ON THE BANKS & MULTI-COL INT BENTS IN THE RIVER W/FOOTING & DRILLED SHAFTS. STEEL PILE TRESTLE END BENTS.
- 2A 92.5'- SIMPLE SLAB SPANS (31.25' - 30' - 31.25') ON MULTI-COL INT BENTS ON STEEL H-PILE FTGS & STEEL H-PILE END BENTS.
- 3A 225'- CONT COMP PLATE GIRDER UNIT (75' - 75' - 75') ON MULTI-COL INT BENTS ON DRILLED SHAFTS & STEEL H-PILE END BENTS. (BNT 3 HWY 70 BR O/AR RIVE
- 4A 501'- SIMPLE COMP W-BEAM SPAN (50') STEEL H-PILE BENTS.
- 5A 450'- CONT COMP W-BEAM UNIT (6 @ 75') ON MULTI-COL INT BENTS ON STEEL H-PILE FOOTING & STEEL H-PILE END BENT 7.
- 6A 100'- COMP W-BEAM SPAN; 112'- PREFAB.TRUSS SPAN; 75' COMP W-BEAM SPAN ON MULTI-COL INT BENTS ON STEEL H-PILE FTGS & STEEL PILE END BENT.
- 1B #A2978- 60' W X 2,354.58' L; CONSISTS OF MULTI SIMPLE SPANS W/CONC BMS & A CONC DECK SUPPORTED BY CONC SUBSTR FOR NO & SO APPRS, A SINGLE STEEL ARCH SPAN W/A CONC DECK, MULTI CONC ARCH SPANS W/A CONC DECK SUPPORTED BY A CONC SUBSTR FOR THE RIVER SPANS.
- 2B NA
- 3B #02982- 25.5' W X 430' L; CONSISTS OF SIMPLE SPNS W/STEEL BMS & CONC DECK & REINF. CONC SLAB SPNS SUPPORT. BY A CONC SUBSTR. W/STEEL PILING.
- 4B NA
- 5B #02983- 25.5' W X 470' L; CONSISTS OF SIMPLE SPNS W/STEEL BMS & CONC DECK & REINF. CONC SLAB SPNS SUPPORT. BY A CONC SUBSTR. W/STEEL PILING.
- 6B NA

\* OUT TO OUT COST (\$/SF) = \$85,413,920.74 /A = **\$532.32**  
 LESS REMOVAL / TEMP BR/ SHORING (\$/SF) **\$27.11**  
 NET COST (\$/SF) **\$505.21**

\* FHWA COST (\$/SF) = \$78,223,845.74 /A= \$487.39  
 EXISTING BR. REMOVAL (\$/SF) = \$26.48

DEDUCT REMVL, TEMP BR, RIPRAP, FLTR BLNKT, SHORING & TRANS APPR RAIL COSTS FROM FHWA COST.

\* STR DEFICIENT BRS

FUNCTION CLASS - 14 OTHER PRINCIPAL ARTERIAL  
 ON NHS