

NHPP-0043 (29)

ANALYSIS OF BIDS
 JOB NO. 061102 HWY. 67 INTERCHANGE (N. OF CABOT) (S)
 LETTING OF DECEMBER 7, 2016

QUANTITY	UNIT	ITEM	MANHATTAN ROAD & BRIDGE CO.	MOBLEY CONTR. INC.	AVG OF LOW BIDS
1.00	LS	REMV. OF EXIST. BR. STR. (SITE 1)	47,852.88	50,404.12	49,128.50
200.00	CUYD	UNCLASS. EXCAV. FOR STRS-BR	133.92	87.99	110.96
704.50	CUYD	CLASS S CONCRETE - BRIDGE	941.82	1,413.23	1,177.53
1,418.10	CUYD	CLASS S(A/E) CONCRETE - BRIDGE	811.84	795.24	803.54
163.70	GAL	CLASS 1 PROTECT. SURF. TREATMENT	68.74	155.67	112.21
102.410.00	LB	REINF. STEEL-BRIDGE (GR. 60)	1.28	0.99	1.14
333.060.00	LB	EPOXY COATED REINF. STEEL (GRADE 60)	1.00	1.17	1.09
1,366.00	LF	STEEL PILING (HP 12X53)	75.00	109.43	92.22
1,676.00	LF	STEEL PILING (HP 14X73)	100.00	95.25	97.63
168.00	LF	PILE ENCASEMENT	275.00	254.58	264.79
964.00	LF	PEREBORING	86.71	292.01	189.36
530.00	LF	METAL BR. RAILING (TYPE H)	88.62	119.25	103.94
4.00	EACH	TRANSITIONAL APPR. RAILING	5,995.00	9,396.66	7,695.83
633,130.00	LB	STR. STEEL IN BEAM SPANS (M 270 GR. 50W)	2.68	1.88	2.28
770,400.00	LB	STR. STEEL IN PL. GIRDER SPANS (M 270 GR. 50)	2.75	1.94	2.35
385.10	TON	PAINTING STR. STEEL	350.00	455.00	402.50
41,355.00	CUIN	ELASTOMERIC BEARINGS	2.48	2.99	2.74
371.00	LF	SILICONE JOINT SEALANT	53.42	77.23	65.33
4.00	EACH	BR. NAME PLATE (TYPE D)	504.87	1,423.50	964.19
1,977.00	SQYD	FILTER BLANKET	6.39	3.15	4.77
988.00	CUYD	DUMPED RIPRAP	98.49	44.10	71.30
1,789.00	SQYD	TEXTURED COATING FINISH	16.55	6.50	11.53
9,166.00	SQFT	ARCHITECTURAL FINISH	17.04	14.14	15.59
350.00	LF	DRILLED SHAFT (48" DIAM.)	1,060.46	859.96	960.21
191.00	LF	PERMANENT STEEL CASING (54" DIAM.)	686.63	385.85	536.24
12.00	EACH	CROSSHOLE SONIC LOGGING (48" DIAM.)	1,658.04	7,236.67	4,447.36
30.00	LF	CORING DRILLED SHAFT	326.23	260.00	293.12
109.80	CUYD	APPROACH GUTTERS	863.58	704.36	783.97
419.02	CUYD	APPROACH SLABS	525.66	607.88	566.77
55,612.00	LB	REINF. STEEL-RDWY (GR. 60)	1.20	0.71	0.96
TOTAL AMOUNT BID FOR JOB			\$25,525,894.00	\$27,218,890.00	
TOTAL AMOUNT BID FOR BRIDGE			\$8,119,549.32	\$7,491,910.79	

BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
07401	275.17	74.1667	20,408.21	1A	NA
07402	272.17	28.1667	7,666.04	2A	NA
07403	263.06	28.1667	7,409.60	3A	3B
07404	181.10	43.17	7,817.67	4A	NA
A =			43,301.52		

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- 1A: 27'3" CONT. COMP. PLATE GIRDER UNIT ON PILE FOOTINGS
- 2A: 27'0" CONT. COMP. W-BEAM UNIT ON TRESTLE PILE BENTS
- 3A: 26'3" CONT. COMP. W-BEAM UNIT ON DRILLED SHAFTS
- 4A: 18'0" INT. W-BEAM UNIT ON DRILLED SHAFTS

3B: 34'-3" W AND 124' L W/ 4 CONC. CHANNEL BEAM SPANS ON STEEL H-PILES

OUT TO OUT COST (\$/SF) = \$8,115,948.03/A = \$187.51
 LESS REMOVAL (\$/SF) \$1.11

NET COST (\$/SF) \$186.40

FHWA COST (\$/SF) = \$7,958,154/A = \$183.87
 EXISTING BR. REMOVAL (\$/SF) = \$11.27
 DEDUCT REMVL, RIPRAP, AND FLTR BLNKT
 COSTS FROM FHWA COST.

* REMOVAL ONLY

JOB 061102 LET 12/7/2016

FUNCTION CLASS - 07 - LOCAL - RURAL
 OFF NHS
 DESIGN SECTION - JYP