

ANALYSIS OF BIDS
 JOB NO. BB0610 WHITE RIVER STR. & APPRS. (F)
 LETTING OF NOVEMBER 2, 2016

QUANTITY	UNIT	ITEM	PARSONS-MAHAN	JOHNSON BROS. CORP.	MANHATTAN RD & BR. CO.	AVG OF LOW BIDS
1.00	LS	REM. OF EXIST. BR. STR. (BR. NO. 20738 SITE 1)	2,068,000.00	1,696,410.00	4,787,250.00	2,850,553.33
1,405.00	CUYD	UNCLASS. EXCAV.FOR STRS-BR	22.00	24.00	20.00	22.00
6,069.10	CUYD	CLASS S CONCRETE - BRIDGE	683.00	800.00	550.00	677.67
11,154.20	CUYD	CLASS S (AE) CONCRETE - BRIDGE	736.00	850.00	500.00	695.33
5,995.40	CUYD	CLASS B CONC. BRIDGE	450.00	850.00	700.00	666.67
807.80	GAL	CLASS 1 PROTECT. SURF.TREATMENT	134.00	100.00	80.00	104.67
1,783,050.00	LB	REINF.STEEL-BRIDGE (GR 60)	1.00	0.95	0.90	0.95
3,707,920.00	LB	EPOXY COATED REINF. STEEL BR. (GR. 60)	0.80	1.05	1.00	0.95
3,348.00	LF	STEEL SHELL PILING (18" DIAM.)	115.00	70.00	103.00	96.00
14,822,050.00	LB	STR. STEEL IN PL. GIRD. SP. (M270 GR. 50W)	1.76	1.73	1.87	1.79
1.00	EACH	BRIDGE NAME PLATE (TYPE D)	400.00	1,600.00	600.00	866.67
4,257.00	SQYD	FILTER BLANKET	4.50	22.00	5.80	10.77
2,056.00	CUYD	DUMPED RIPRAP	70.00	50.00	57.15	59.05
1.00	LS	CLEARANCE GAUGES	56,000.00	44,851.00	150,000.00	83,617.00
1.00	LS	NAVAGATION LIGHTING SYSTEM	323,000.00	235,000.00	250,000.00	269,333.33
268.00	EACH	SEISMIC ISOLATION BEARINGS	4,498.00	3,800.00	4,000.00	4,099.33
1.00	LS	SHORING	25,000.00	92,841.00	25,000.00	47,613.67
3,110.00	LF	DRILLED SHAFT (96" DIAM.)	1,400.00	1,200.00	3,000.00	1,866.67
3,110.00	LF	PERMANENT STEEL CASING (96" DIAM.)	947.00	1,000.00	763.58	903.53
11.00	EACH	CROSSHOLE SONIC LOGGING (96" DIAM.)	5,000.00	3,500.00	3,242.60	3,914.20
1,273.00	LF	DRILLED SHAFT (120" DIAM.)	2,700.00	3,000.00	3,300.00	3,000.00
14.00	EACH	PERMANENT STEEL CASING (120" DIAM.)	1,200.00	1,500.00	1,049.00	1,249.67
1,968.00	LF	CROSSHOLE SONIC LOGGING (120" DIAM.)	5,000.00	3,500.00	3,100.00	3,866.67
1,968.00	LF	DRILLED SHAFT (144" DIAM.)	6,000.00	4,500.00	5,750.00	5,416.67
12.00	EACH	PERMANENT STEEL LOGGING (144" DIAM.)	2,100.00	2,200.00	1,277.00	1,859.00
1,181.00	LF	CROSSHOLE SONIC LOGGING (144" DIAM.)	7,000.00	5,000.00	5,000.00	5,666.67
12.00	EACH	CORING DRILLED SHAFT	160.00	135.00	150.00	148.33
72.40	CUYD	POST GROUTING OF DRILLED SHAFT (144" DIAM.)	25,000.00	22,000.00	30,000.00	25,666.67
102.80	CUYD	APPR. GUTTER (TYPE C)	200.00	450.00	505.00	385.00
295.00	CUYD	APPR. SLABS (TYPE SPECIAL)	250.00	450.00	470.00	390.00
2,134.00	LB	APPR. SLABS (TYPE C2)	250.00	450.00	470.00	390.00
50,404.00	LB	EPOXY COATED REINF. STEEL (GR. 60)	1.00	1.00	1.00	1.00
		REINF STEEL-RDWY (GR 60)	0.70	0.80	0.90	0.80
		TOTAL AMOUNT BID FOR JOB	\$100,559,843.00	\$103,671,439.00	\$104,951,279.00	
		TOTAL AMOUNT BID FOR BRIDGE	\$79,307,903.00	\$80,877,298.20	\$85,023,783.50	

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BRIDGE ID	LENGTH	WIDTH	AREA (OUT-OUT)	NEW BRIDGE DESCRIPTION	EXISTING BRIDGE DESCRIPTION
07343	2843.98	117.00	332,745.57	1A	*1B
		A =	332,745.57		

1-CONT. COMP. PLATE GIRDER UNITS 2-56' CLEAR RDWYS. PILES AT BENTIS 1 & 17. DRILLED SHAFTS AT BENTIS 2-16. DRILLED SHAFTS AT PIERS 1 & 2.

***1B:** 65.5' WIDE AND 2700.5' LONG CONSISTING OF CONT. COMP. PLATE GIRDER UNITS SUPPORTED BY CONC. SUBSTRUCTURE.

OUT TO OUT COST (\$/SF) = \$79,307.903/A = \$238.34
 LESS REMOVAL AND SHORING (\$/SF) \$6.29

NET COST (\$/SF) \$232.05

FHWA COST (\$/SF) = \$77,051,826.50/A = \$231.56
 EXISTING BR. REMOVAL (\$/SF) = \$11.69
 DEDUCT REMVL, SHORING, RIPRAP, AND FLTR BLNKT
 COSTS FROM FHWA COST.

*** STR. DEFICIENT BR.**

FUNCTION CLASS - 01 - INTER - RURAL
 ON NHS
 DESIGN SECTION - KWW