

COST ESTIMATE OF OPTION 3 (VERTICAL LIFT BRIDGE)

SFRC BRIDGE OVER THE NEW RIVER

ITEM NO.	ITEM	UNIT COST	UNIT	QUANTITY	TOTAL COST	PAY ITEM NOTES
GENERAL						
101 - 1	MOBILIZATION	\$ 1,600,000.00	LS	1.00	\$ 1,600,000.00	
102 - 1	MAINTENANCE OF TRAFFIC	\$ 1,000,000.00	LS	1.00	\$ 1,000,000.00	
999 - 16	PARTNERING	\$ 6,000.00	LS	1.00	\$ 6,000.00	
999 - 25	INITIAL CONTINGENCY AMOUNT	\$ 150,000.00	LS	1.00	\$ 150,000.00	
DEMOLITION / SITE PROTECTION						
110 - 1 - 1	CLEARING AND GRUBBING	\$ 20,000.00	AC	1.70	\$ 34,000.00	
110 - 3	REMOVAL OF EXISTING STRUCTURES	\$ 476,125.00	LS/SF	1.00	\$ 476,125.00	
110 - 8	UNDER WATER DEBRIS REMOVAL	\$ 5.00	DA	5,000.00	\$ 25,000.00	
120 - 1	REGULAR EXCAVATION	\$ 7.00	CY	1,000.00	\$ 7,000.00	
561 -	REMOVAL LEAD PAINT	\$ 476,125.00	LS	1.00	\$ 476,125.00	
SUBSTRUCTURE						
104 - 11	FLOATING TURBIDITY BARRIER	\$ 13.00	LF	600.00	\$ 7,800.00	
400 - 4 - 5	CONCRETE CLASS IV (SUBSTRUCTURE)	\$ 900.00	CY	572.00	\$ 514,800.00	
415 - 1 - 5	REINFORCING STEEL (SUBSTRUCTURE)	\$ 1.50	LB	118,795.60	\$ 178,193.40	Assuming 7lbs/CF of Concrete
455 - 18	PROTECTION OF EXISTING STRUCTURES	\$ 100,000.00	LS	1.00	\$ 100,000.00	Assuming Depth per Pile
455 - 34 - 5	PRESTRESSED CONCRETE PILING, 24" SQUARE	\$ 65.00	LF	4,590.00	\$ 298,350.00	Assuming Depth per Pile
SUPERSTRUCTURE						
400 - 4 - 5	CONCRETE CLASS IV (SUBSTRUCTURE)	\$ 900.00	CY	148.10	\$ 133,290.00	
415 - 1 - 5	REINFORCING STEEL (SUBSTRUCTURE)	\$ 1.50	LB	32,000.00	\$ 48,000.00	Assuming 8lbs/CF of Concrete
460 - 2 - 15	STRUCTURAL STEEL (MISC)	\$ 5.00	LB	227,148.56	\$ 1,135,742.79	Vertical Lift Span
460 - 2 - 15	STRUCTURAL STEEL (MISC)	\$ 3.00	LB	1,021,535.77	\$ 3,064,607.31	Vertical Lift Pier
460 - 2 - 15	STRUCTURAL STEEL (MISC)	\$ 5.00	LB	228,945.90	\$ 1,144,729.50	Approach Spans
460 - 6	LADDERS & PLATFORMS	\$ 13.00	LB	2,000.00	\$ 26,000.00	
MECHANICAL / ELECTRICAL						
465 - 1	MOVABLE BRIDGE MECHANICAL EQUIPMENT	\$ 5,000,000.00	LS	1.00	\$ 5,000,000.00	
465 - 3 - 17	MOVABLE BRIDGE - COUNTERWEIGHT BALANCE	\$ 130.00	EA	300.00	\$ 39,000.00	
465 - 3 - 19	MOVABLE BRIDGE - COUNTERWEIGHT	\$ 2,000.00	TN	100.00	\$ 200,000.00	
508 - 1 - 1	MOVABLE BRIDGE ELECTRICAL EQUIPMENT	\$ 1,000,000.00	LS	1.00	\$ 1,000,000.00	
TRACK						
120 - 6	EMBANKMENT	\$ 13.00	CY	1,000.00	\$ 13,000.00	
823 - 11 - 12	SUBBALLAST	\$ 9.00	SF	8,300.00	\$ 74,700.00	
825 - 116 - 110	TRACK, STANDARD (F&I)	\$ 230.00	LF	300.00	\$ 69,000.00	
825 - 152 - 110	TRACK, STANDARD (MODIFY)	\$ 100.00	LF	4,000.00	\$ 400,000.00	
830 - 110 - 211	GRADE CROSSING (F&I)	\$ 100.00	LF	100.00	\$ 10,000.00	
830 - 140 - 211	GRADE CROSSING (MODIFY)	\$ 100.00	LF	100.00	\$ 10,000.00	
832 - 2 - 6	THERMITE WELD	\$ 2,000.00	EA	4.00	\$ 8,000.00	
	REMOTE DISMATCH	\$ 1,000,000.00	LS	1.00	\$ 1,000,000.00	
MISCELLANEOUS						
471 - 1 - 1	FENDER SYSTEM, PLASTIC MARINE LUMBER, REINF.	\$ 17.00	MB	22,000.00	\$ 374,000.00	
507 - 70	ALUMINUM SIDEWALK FLOOR	\$ 90.00	SF	2,480.00	\$ 223,200.00	
515 - 1 - 2	PIPE HANDRAIL - GUARDRAIL, ALUMINUM	\$ 40.00	LF	620.00	\$ 24,800.00	
	PROJECT UNKOWNS (25 % Total Cost)		LS	1.00	\$ 4,717,865.75	

Total	23,589,328.76
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