

COST ESTIMATE OF OPTION 4 (REHABILITATION)

SFRC BRIDGE OVER THE NEW RIVER

ITEM NO.	ITEM	UNIT COST	UNIT	QUANTITY	TOTAL COST	PAY ITEM NOTES
GENERAL						
101 - 1	MOBILIZATION	\$ 1,200,000.00	LS	1.00	\$ 1,200,000.00	
102 - 1	MAINTENANCE OF TRAFFIC	\$ 750,000.00	LS	1.00	\$ 750,000.00	
999 - 16	PARTNERING	\$ 6,000.00	LS	1.00	\$ 6,000.00	
999 - 25	INITIAL CONTINGENCY AMOUNT	\$ 100,000.00	LS	1.00	\$ 100,000.00	
DEMOLITION / SITE PROTECTION/ TEMPORARY WORK STRUCTURE						
103 - 1	TEMPORARY WORK STRUCTURE	#####	LS	1.00	\$ 10,000,000.00	
110 - 3	REMOVAL OF EXISTING STRUCTURES	\$ 40.00	LS/SF	2,216.50	\$ 88,660.00	
561 -	REMOVAL LEAD PAINT	\$ 300,000.00	LS	1.00	\$ 300,000.00	
SUBSTRUCTURE						
401 - 70 - 4	RESTORE SPALLED AREAS (PORTLAND CEMENT GROUT)	\$ 600.00	CF	20.00	\$ 12,000.00	
412 - 2	CRACKS INJECT & SEAL - STRUCTURES REHAB	\$ 90.00	LF	150.00	\$ 13,500.00	
400 - 143	CLEAN & COAT CONCRETE SURFACES	\$ 1.20	SF	500.00	\$ 600.00	
104 - 11	FLOATING TURBIDITY BARRIER	\$ 13.00	LF	1,000.00	\$ 13,000.00	
400 - 4 - 5	CONCRETE CLASS IV (SUBSTRUCTURE)	\$ 900.00	CY	15.00	\$ 13,500.00	
415 - 1 - 5	REINFORCING STEEL (SUBSTRUCTURE)	\$ 1.50	LB	2,835.00	\$ 4,252.50	Assuming 7lbs/CF of Concrete
455 - 18	PROTECTION OF EXISTING STRUCTURES	\$ 50,000.00	LS	1.00	\$ 50,000.00	
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 - 1 - 5	STRUCTURAL STEEL (BASCULE LEAVES)	\$ 10.00	LB	36,666.67	\$ 366,666.67	Total Structure Weight 145 kips (assuming 25% rehab = 36k)
460 - 2 - 15	STRUCTURAL STEEL (MISC)	\$ 10.00	LB	5,000.00	\$ 50,000.00	Assuming Pier Structure
460 - 2 - 15	STRUCTURAL STEEL (MISC)	\$ 5.00	LB	379,920.00	\$ 1,899,600.00	Approach Spans
460 - 6	LADDERS & PLATFORMS	\$ 13.00	LB	54,000.00	\$ 702,000.00	New walkway
560 - 1	PAINTING STRUCTURAL STEEL	\$ 3,500.00	TN	100.00	\$ 350,000.00	
MECHANICAL / ELECTRICAL						
465 - 1	MOVABLE BRIDGE MECHANICAL EQUIPMENT	\$ 1,000,000.00	LS	1.00	\$ 1,000,000.00	
465 - 3 - 17	MOVABLE BRIDGE - COUNTERWEIGHT BALANCE BLOCKS	\$ 130.00	EA	150.00	\$ 19,500.00	
465 - 3 - 50	COUNTERWEIGHT MOVEABLE BRIDGE ADJUST	\$ 50,000.00	EA	1.00	\$ 50,000.00	
508 - 1 - 1	MOVABLE BRIDGE ELECTRICAL EQUIPMENT	\$ 400,000.00	LS	1.00	\$ 400,000.00	
TRACK						
823 - 11 - 12	SUBBALLAST	\$ 9.00	SF	8,300.00	\$ 74,700.00	
825 - 116 - 110	TRACK, STANDARD (F&I)	\$ 230.00	LF	200.00	\$ 46,000.00	
825 - 152 - 110	TRACK, STANDARD (MODIFY)	\$ 100.00	LF	3,000.00	\$ 300,000.00	
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	
MISCELLANEOUS						
471 - 1 - 1	FENDER SYSTEM, PLASTIC MARINE LUMBER, REINF.	\$ 17.00	MB	100.00	\$ 1,700.00	
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	\$ 4,567,242.29	

Total	22,836,211.46
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