

ENGINEER: _____ DATE: _____ DECK AREA: _____ SFT _____ STRUCTURE ID: _____
 LOCATION: _____ DECK DIM: _____
 PRIMARY REPAIR STRATEGY: _____ STR. TYPE: _____

WORK ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
NEW BRIDGE				
Multiple Spans, Concrete (add demo. & road approach & traffic control)		SFT	\$150.00 /SFT	
Multiple Spans, Steel (as above)		SFT	\$180.00 /SFT	
Single Span or Over Water, Concrete (as above)		SFT	\$190.00 /SFT	
Single Span or Over Water, Steel (as above)		SFT	\$210.00 /SFT	
Pedestrian Bridge (includes removal, add traffic control)		SFT	\$285.00 /SFT	
Other				
NEW SUPERSTRUCTURE				
Concrete (includes rem of old super, new railing, add t.c. & approach)		SFT	\$110.00 /SFT	
Steel (as above)		SFT	\$160.00 /SFT	
Over Water (add to new superstructure cost)		SFT	\$28.00 /SFT	
Other				
WIDENING				
Added portion only. _____ ft of width (add road approach widening)		SFT	\$190.00 /SFT	
Other				
NEW DECK				
Includes removal of old deck & new railing (add t.c. & approach)		SFT	\$65.00 /SFT	
Other				
DEMOLITION				
Entire bridge, grade separation		SFT	\$27.00 /SFT	
Entire bridge, over water		SFT	\$36.00 /SFT	
Other				
SUPERSTRUCTURE REPAIR				
Concrete Deck Patch (includes hand chipping)		SFT	\$33.00 /SFT	
Full Depth Patch		SFT	\$70.00 /SFT	
HMA Cap (no membrane - add bridge rail if req'd)		SFT	\$1.20 /SFT	
HMA Overlay with WP membrane (add bridge rail if req'd)		SFT	\$4.50 /SFT	
Removal of Concrete Wearing Course (latex)		SFT	\$2.00 /SFT	
Removal of HMA Overlay or Epoxy Overlay		SFT	\$1.00 /SFT	
Epoxy Overlay		SYD	\$34.00 /SYD	
Shallow Overlay (includes joint replmt & hydro, add bridge rail if req'd)		SFT	\$23.00 /SFT	
Deep Overlay (includes joint replmt & hydro, add bridge rail if req'd)		SFT	\$24.00 /SFT	
PCI Beam End Repair (\$2000-\$4000 per beam end)		EA	\$3,000.00 EA	
Repair Structural Steel (\$2000 bolted, \$6000 welded)		EA	\$5,000.00 EA	
High Load Hit Repair (PCI Beam)		SFT	\$200.00 /SFT	
Paint Structural Steel		SFT	\$9.00 /SFT	
Partial Painting		SFT	\$18.00 /SFT	
Pin & Hanger replacement (includes temporary supports)		EA	\$6,000.00 EA	
Other				
SUBSTRUCTURE REPAIR				
Pier repair (measured x 2) Replace unit if spalled area > 30%		CFT	\$180.00 /CFT	
Pier repair over water (measured x 2)		CFT	\$200.00 /CFT	
Pier replacement		CFT	\$70.00 /CFT	
Abutment repair (measured x 2)		CFT	\$180.00 /CFT	
Temporary Supports for Substructure Repair		EA	\$1,500.00 EA	
Slope Protection repairs		SYD	\$80.00 /SYD	
Other				
MISCELLANEOUS				
Expansion or Construction Joints (includes removal)		FT	\$450.00 /FT	
Bridge Railing, remove and replace (type 4 \$210, aesthetic parapet \$260)		FT	\$235.00 /FT	
Thrie Beam Railing retrofit		FT	\$34.00 /FT	
Deck Drain Extensions		EA	\$500.00 EA	
Scour Countermeasures		LSUM	LSUM	
Other				
ROAD WORK				
Approach Pavement, 12" RC (add C & G, GR, Slope, Shldr.) 40' ea. end		SFT	\$11.50 /SFT	
Approach Curb & Gutter (18' ea. quad.)		FT	\$37.50 /FT	
Guardrail Anchorage to Bridge (<40')		quads	\$1,500.00 /quad	
Guardrail, Type B or T (beyond GR anchorage to bridge, <200')		FT	\$21.50 /FT	
Guardrail Ending (end section)		EA	\$1,850.00 /EA	
Roadway Approach work (beyond approach pavement)		LSUM	LSUM	
Utilities		LSUM	LSUM	
Other				
TRAFFIC CONTROL - Unit Cost to be determined by Region or TSC T&S				
Part Width Construction		LSUM	LSUM	
Crossovers		EA	\$250,000.00 EA	
Temporary Traffic Signals		set	\$18,000.00 /set	
RR Flagging		LSUM	LSUM	
Detour		LSUM	LSUM	
Other				
CONTINGENCY (10% - 20%) (use higher contingency for small projects)		%	\$0.00	\$0.00
MOBILIZATION (estimate at 5% but put "10% max" in pay item description)	5.0	%	\$0.00	\$0.00
INFLATION (assume 5% per year, beginning in 2013)		%	\$0.00	\$0.00

(DOES NOT INCLUDE PE & CE)

CONSTRUCTION TOTAL \$0.00