Supersedes: Mar. 2021				<u> </u>
			SEC/SUR * TWP * RGE *	
U.I.P. AND REHABILITATE EXISTING (X	'-X'-X')	SPANS (SKEW: X)		
				DATE PREPARED
				ROUTE STATE
				DISTRICT SHEET NO
				COUNTY
				JOB NO.
				CONTRACT ID.
				PROJECT NO.
				BRIDGE NO.
Estimated Quantities				
		Estimated Q	Total	
		Total Surface Hydro Demolition Removal of Concrete Wearing Surface	216-10.01 sq. yard X 216-15.02 sq. foot X	NO
	Replace	Removal of Existing Deck Repair	216-15.03 sq. foot X	IPTI
	as required	* Supplementary Wearing Surface Material	505-00.04 cu. yard X 505-20.00 sq. yard X	ESCR
		Substructure Repair (Formed) Substructure Repair (Unformed)	704-01.01 sq. foot X 704-01.02 sq. foot X	
		Superstructure Repair (Unformed)	704-01.03 sq. foot X	
		Half-Sole Repair Full Depth Repair	704-01.04 sq. foot X 704-01.06 sq. foot X	
		Slab Edge Repair (Bridges)	704-01.07 Linear foot X	TE
		Cleaning and Epoxy Coating	704-01.13 sq. foot X	DA
				ON 102 36)
				VS AND TRANSPORTATION MISSION 105 WEST CAPITOL 105 WEST CAPITOL LEFFERSON CITY, M0 65102 ASK-MODOT (1-888-275-6636)
	BB	3.8 * Supplementary wearing surface material for at the fixed unit price in accordance with	monolithic deck repair will be paid for Sec 109.	РОR = 5 Т 8 - 27
		Note B3.9 if required.		ANS 05 w 1-88
		General Notes:		AND TRA
		A1.1 Design Specifications:		AND I SS I EFFEL
		2002 AASHTO LFD (17th Ed.) Standard Specifi Bridge Deck Rating =	cations	
		A1.2 Design Loading: Year	Year	CON B
		HS20 <u>-44 Modified</u> () <u>and Military 24,000</u> A1.3 Design Unit Stresses:	ib landem Axle ()	
		Class B-2 Concrete (Half-Sole and Full Dept	<u>h</u> Repair) f'c = 4,000 psi	
		Miscellaneous:		
		I1.0.1Roadway surfacing adjacent to bridge ends s (roadway item).	hall match new bridge wearing surface	
	I1.0.3 (If required)	I1.0.2AII concrete repairs shall be in accordance	with Sec 704, unless otherwise noted.	
		I1.1 Outline of existing work is indicated by li new work.	ght dashed lines. Heavy lines indicate	
		Ocontractor shall verify all dimensions in f	ield before finalizing the shop drawings.	
		II.10 In order to maintain grade and a minimum th	ickness of wearing surface as shown on	
		plans it may be necessary to use additional various locations throughout the structure. the wearing surface will be considered comp	The cost of furnishing and installing	
		price, including all additional labor, mate thickness of wearing surface.	rials or equipment for variations in	
		Traffic Handling:		
		A3.8 <u>Structure to be closed during construction</u> . <u>during construction</u> . See roadway plans for	Traffic to be maintained on	
		staged construction details.		
		REPAIRS TO BR OVER *	IDGE: ROUTE *	
		ROUTE * FROM * TO *		
Note: This drawing is not to scale. Follow dimensions	Shoot No. 1 of	ABOUT * MILES * OF		
Note: This drawing is not to scale. Follow dimensions.	Sheet No. 1 of	DEGINNING STATION _	± (Match Existing)	

RHB01 CIP Deck on Girders

Guidance & Alternate Details (1 of 4)

STANDARD DRAWING GUIDANCE (do not show on plans)

This is an index of Standard Drawing details. Draw typical section as required and scale to fit within attached border. Use appropriate deck repair details and modify as required (match orientation of actual reinforcement).

For bridges with epoxy coated steel, see Sec 710 for repairing bars and add notes as necessary See SPM.

Wearing surface thickness can vary according to grade elevation requirements and minimum barrier curb height requirements. Maximum thickness should be limited to 3" (Ref. Organizational Results Research Report ORO6.004, May 2006). Limit excludes reinforced concrete slab wearing surfaces.

Will need to adjust wearing surface thickness when detailing a thin wearing surface (1" or less), but it is a preferred detailing practice to show a discernable thickness on the plans. No thickness is shown for crack filler application

(A) Show difference as plus/minus $X"\pm$ (see Bridge Memo or SPM).

e.g. Match existing grade plus $2\frac{1}{4}$ "±

(B) Identify new wearing surface (see Bridge Memo or SPM) and specify minimum thickness in deck details.

- ⓒ Identify existing wearing surface and thickness, see Bridge Memo or existing
- D See Bridge Memo or SPM, typically 1/2". Use 1" if more than 30% of existing deck needs repair. Verify there will be a minimum of 1/2" of concrete above the top bars after scarification.

(E) See Bridge Memo or SPM, typically 1/2".

(F) See existing plans.

 \bigcirc Use appropriate reference (\bigcirc Structure, \bigcirc Roadway, \bigcirc Median, etc.)

igoplus Cleaning and epoxy coating is preferred because of the relative short life of slab edge repair and unformed repair especially when over traffic. However in urban regions repairing the overhang may be preferred. Consult with SPM or SLE.



Scarification prior to adding first wearing surface or removing a portion of the deck when removing an existing wearing surface is not required for seal coat, asphalt, UBAWS, epoxy polymer or MMA polymer slurry wearing surfaces.

① Note is required only when shop drawings will be required (For example, expansion device replacement, diaphragm replacement, etc.)



FOR EPOXY POLYMER OR MMA POLYMER SLURRY WEARING SURFACE



SECTION THRU JOINT (EPOXY POLYMER OR MMA POLYMER SLURRY)

FOR ALL OTHER WEARING SURFACES













