

MAINTENANCE PLANNING GUIDELINES		2006																																																
ACTIVITY: Bridge Deck Repair (R323) MAJOR & MINOR	ACTION: Deck Repair (SY) <i>B. Asphalt</i>																																																	
DEFINITION: The time and expenses incurred for permanent repairs to bridge deck, including the repair or replacement of timber decks.																																																		
PURPOSE: Replacement of deteriorated asphaltic overlay with hot mix asphalt to restore rideability and prevent further damage to the structure.																																																		
SCHEDULING: Repair as needed when conditions permit.	<table border="1" style="margin: auto;"> <tr> <td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td> </tr> <tr> <td>A</td><td>E</td><td>A</td><td>P</td><td>A</td><td>U</td><td>U</td><td>U</td><td>E</td><td>C</td><td>O</td><td>E</td> </tr> <tr> <td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td><td>T</td><td>V</td><td>C</td> </tr> <tr style="background-color: black;"> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>		J	F	M	A	M	J	J	A	S	O	N	D	A	E	A	P	A	U	U	U	E	C	O	E	N	B	R	R	Y	N	L	G	P	T	V	C												
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RECOMMENDED EQUIPMENT: <ul style="list-style-type: none"> • Dump Trucks • Flatbed or Van • Concrete Saw • Air Compressor • Roller or Pan Vibrator • Roto Mill (optional) • Traffic Control Equipment; reference (See EPG 616.23 Traffic Control for Field Operations) 	RECOMMENDED PROCEDURE: <ol style="list-style-type: none"> 1. Place traffic control devices as needed. 2. Mark limits of patch areas by visual and sounding methods. 3. Saw all patch edges. 4. Remove old asphalt or patching material and any loose concrete below patch area. If loose concrete is removed below the reinforcing steel, then repair should be made using guidelines for Function R671A for Concrete. 5. Remove fines from patch area. 6. Cover patch bottom and sides with liquid asphalt tack. 7. Place hot mix and strike off ¼-in. higher than adjacent surfaces for each inch deep. 8. Compact with roller or vibrator. 9. Pour patch edges and any other cracks within the work zone. 10. Remove traffic control devices. 																																																	
RECOMMENDED MATERIAL: <ul style="list-style-type: none"> • Hot Mix Asphalt • Liquid Asphalt Tack • Sand 																																																		
SAFETY: Clean up and remove excess material. Do not blow debris into adjacent traffic lanes, or travel lanes and waterways beneath the structure. Wear all appropriate PPE. Refer to the Safety Policies, Rules & Regulations – Employee Handbook.																																																		
OTHER CONSIDERATIONS:																																																		
REFERENCES: Missouri Standard Specifications for Highway Construction Section 216. 30 ; EPG 771.9 Temporary Bridge Deck Repair.																																																		