

MAINTENANCE PLANNING GUIDELINES												2/2014					
<b>ACTIVITY:</b> Bridge Preventative Mtc (R322) <b>MAJOR &amp; MINOR</b>						<b>ACTION:</b> Bridge Seal Coats (SF)											
<b>DEFINITION:</b> The time and expenses incurred for the application of preventative maintenance treatments to bridges. Examples include bridge seal coats, silane and in-deck seals.																	
<b>PURPOSE:</b> To seal bridge decks with excessive cracking to prevent intrusion of water and chlorides into the bridge deck.																	
<b>SCHEDULING:</b> Seals should be scheduled after surface repairs are completed. Work should be performed in July and August						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
<b>RECOMMENDED EQUIPMENT:</b> <ul style="list-style-type: none"><li>• Dump Trucks</li><li>• Truck Distributor</li><li>• Power Roller/Pneumatic Roller</li><li>• Aggregate Spreader</li><li>• Broom</li><li>• Traffic Control Equipment; (See EPG <a href="#">616.23 Traffic Control for Field Operations</a>)</li></ul>						<b>RECOMMENDED PROCEDURE:</b> <ol style="list-style-type: none"><li>1. Deck should be cleaned, repairs made, flushed, and allowed to dry prior to sealing.</li><li>2. Contact Dig Rite and others to mark utilities.</li><li>3. Place traffic control devices as required. Review guidance for use of “Fresh Oil” and “Loose Gravel” signs <a href="#">EPG 616.23.2.7.6</a> and “No Center Line” signs, <a href="#">EPG 616.23.2.5.7</a>.</li><li>4. Cover expansion devices and other features that are not to be sealed over with felt paper.</li><li>5. Set temporary pavement marking if needed.</li><li>6. Chip seals are to extend a minimum of 30 feet beyond each bridge end.</li><li>7. Apply liquid asphalt at a rate depending on size of cover aggregate and slope of bridge deck.</li><li>8. Spread cover aggregate, immediately following application of liquid asphalt. Adequate cover aggregate must be applied to prevent tracking. Do not place cover aggregate within 2 ft. of curb.</li><li>9. Roll immediately after placing cover aggregate.</li><li>10. Lightly broom excess chips after seal is properly cured (when chips are securely held).</li><li>11. Repeat for adjacent lanes.</li><li>12. Remove traffic control devices.</li></ol>											
<b>RECOMMENDED MATERIAL:</b> <ul style="list-style-type: none"><li>• Liquid Asphalt (EA90P, CRS-2P)</li><li>• Cover Aggregate (Iron Mountain trap rock, Joplin chat, or other approved material)</li></ul>																	
<b>SAFETY:</b> Watch for flying rocks and traffic in adjacent lanes. Refer to the <a href="#">Comprehensive Safety Program sharepoint portal</a> . Wear all appropriate PPE. Refer to the <a href="#">Risk Based Assessment</a> for additional information.																	
<b>OTHER CONSIDERATIONS:</b>																	
<b>REFERENCES:</b> EPG <a href="#">771.15 Chip Seal to Entire Deck</a> .																	