

<b>MAINTENANCE PLANNING GUIDELINES</b>		2006																																																
<b>ACTIVITY:</b> Bridge Preventative Maintenance (R322) <b>MAJOR &amp; MINOR</b>	<b>ACTION:</b> Linseed Oil & In-Deck Seals (SY) <i>B. In-Deck</i>																																																	
<b>DEFINITION:</b> The time and expenses incurred for the application of preventative maintenance treatments to bridges. Examples include bridge seal costs and linseed oil 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> Work should be preformed in temperatures below 75 degrees. Temperatures below 55 degrees may require longer dry times.	<table border="1" style="width: 100%; text-align: center;"> <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> <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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<b>RECOMMENDED EQUIPMENT:</b>	<b>RECOMMENDED PROCEDURE:</b>																																																	
<ul style="list-style-type: none"> <li>• Material Mixing Tank or Barrel</li> <li>• Traffic Control (See EPG 616.23 Traffic Control for Field Operations)</li> </ul>	<ol style="list-style-type: none"> <li>1. Place traffic control devices as needed.</li> <li>2. The deck should be completely clean and dry. Remove any loose dirt or dust immediately prior to the application.</li> <li>3. Cover expansion devices and other features that are not to be sealed over with felt paper.</li> <li>4. Thoroughly mix Pavon In Deck with water at job site to form a 50/50 mixture. Estimate 1 gal. of mixture for each 100 sq. ft. of surface to seal; (0.10 gal/sy)</li> <li>5. Pour material directly onto the surface or apply by other means. Using stiff bristle brooms, uniformly distribute product around the deck surface, making sure not to leave any puddles. Broom parallel along existing tine markings to make sure that material does not fill in texturing. Frequently go back and broom out any puddles that may redevelop.</li> <li>6. Allow product to stand until completely dry. Apply sand to the deck surface while material is still tacky, to help blot excess material, prevent tracking, and improve short-term skid resistance.</li> <li>7. Repeat treatment steps to the remaining untreated lanes.</li> <li>8. Remove excess sand when the deck is completely dry.</li> <li>9. Remove traffic control devices.</li> </ol>																																																	
<b>RECOMMENDED MATERIAL:</b>																																																		
<ul style="list-style-type: none"> <li>• Pavon In Deck</li> <li>• Water</li> </ul>																																																		
<b>SAFETY:</b> Wear all appropriate PPE. Wearing rubber boots is recommended for this function. Refer to the Safety Policies, Rules & Regulations – Employee Handbook.																																																		
<b>OTHER CONSIDERATIONS:</b> Runoff from sealing needs to be controlled to prevent contamination of waterways and property damage.																																																		
<b>REFERENCES:</b> EPG 771.18 Linseed Oil Treatment to Entire Deck.																																																		

*Missouri Department of Transportation  
Maintenance Activity Planning Guidelines*



(1) In-Deck Seal Application



(2) In-Deck Seal Application



(3) In-Deck Seal Application



(4) Sanding In-Deck Seal