

MAINTENANCE PLANNING GUIDELINES													2/2014				
<b>ACTIVITY:</b> Bridge Preventative Maintenance (R322) <b>MAJOR &amp; MINOR</b>						<b>ACTION:</b> Silane & In-Deck Seals (SF) <i>A. Silane</i>											
<b>DEFINITION:</b> The time and expenses incurred with maintaining bridges on the state highway system. Examples include bridge seal coats, silane and in-deck seals.																	
<b>PURPOSE:</b> To reduce penetration of moisture and chemicals into the deck by the application of silane to concrete bridge decks.																	
<b>SCHEDULING:</b> Schedule when forecast is for dry weather with temperatures ranging between 40-90 degrees.						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 Truck/Cinderbed</li><li>• Truck or Trailer Distributor</li><li>• Traffic Control (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. 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 of the mixture.</li><li>3. Stop traffic while the material is applied to prevent over spray on vehicles.</li><li>4. Apply product to as much of the previously cleaned deck as traffic control requirements will allow, using the following 1 gal/100 sq ft.application rate.</li><li>5. Apply product to the inside face and top of the barrier curbs.</li><li>6. Allow product to penetrate bridge deck and dry.</li><li>7. Repeat treatment steps to the remaining untreated lanes.</li><li>8. Remove traffic control devices.</li></ol>											
<b>RECOMMENDED MATERIAL:</b> <ul style="list-style-type: none"><li>• Silane</li></ul>																	
<b>SAFETY:</b> Avoid skin and eye contact with solutions. Wear all appropriate PPE. Care must be exercised when using this product to prevent igniting. 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> Crews may consider wearing disposable coveralls to avoid contact with material and to protect clothing. Spray must be controlled to keep mixture from getting on passing vehicles or adjacent property.																	
<b>REFERENCES:</b>																	