

<b>MAINTENANCE PLANNING GUIDELINES</b>		2006																																																
<p><b>ACTIVITY:</b> Bridge Maintenance (R321)</p> <p style="text-align: center;"><b>MAJOR &amp; MINOR</b></p>	<p><b>ACTION:</b> Substructure Repairs <i>B. Spot Painting of Bearings &amp; Piling</i></p>																																																	
<p><b>DEFINITION:</b> The time and expenses incurred with maintaining bridges on the state highway system. Examples include handrail, curb, sidewalks and median, cathodic protection maintenance and super and sub structure repairs.</p>																																																		
<p><b>PURPOSE:</b> To protect the bearings and piling from rusting.</p>																																																		
<p><b>SCHEDULING:</b> April to November, with temperatures above 40°F and dry conditions. Can be extended to all year around with dry and suitable temperatures.</p>	<table border="1" style="margin-left: auto; margin-right: 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> <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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<p><b>RECOMMENDED EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>• Heavy Duty Van Truck</li> <li>• Heavy Duty Flatbed/Extra Heavy Duty Compressor</li> <li>• Sandblaster/Hoses</li> <li>• Paint Sprayer</li> <li>• Scaffolds</li> <li>• 1½-in. H.D. Air Drill</li> <li>• Traffic Control Equipment; (See EPG 616.23 <a href="#">Traffic Control for Field Operations</a>)</li> </ul>	<p><b>RECOMMENDED PROCEDURE:</b></p> <ol style="list-style-type: none"> <li>1. Place traffic control devices as needed.</li> <li>2. Hang scaffolds, if necessary.</li> <li>3. Remove all paint scale, pack rust, and other surface rust by sandblasting, scraping, grinding, or wire brushing.</li> <li>4. Prime exposed steel with rust resistant primer using paint sprayer or brush immediately following prep work.</li> <li>5. When primer has dried, apply topcoat with paint sprayer or brush.</li> <li>6. Clean area, equipment, and tools.</li> <li>7. Remove traffic control devices.</li> </ol>																																																	
<p><b>RECOMMENDED MATERIAL:</b></p> <ul style="list-style-type: none"> <li>• Blasting Sand or Abrasive</li> <li>• Paint Products Available in Aerosol Cans</li> <li>• Calcium Sulfonate Primer or Penetrating Sealer</li> <li>• Gray or Green Calcium Sulfonate Topcoat</li> </ul>																																																		
<p><b>SAFETY:</b> Safety lines should be attached to the bridge, rather than the scaffold, in case of scaffold failure. Wear all appropriate PPE. Refer to the <a href="#">Safety Policies, Rules &amp; Regulations – Employee Handbook</a>.</p>																																																		
<p><b>OTHER CONSIDERATIONS:</b> Where lead based paint exists, take proper precautions to collect and properly dispose of debris.</p>																																																		
<p><b>REFERENCES:</b> EPG 771.13 <a href="#">Sealing Abutment and Pier Caps</a>.</p>																																																		