

MAINTENANCE PLANNING GUIDELINES												2/2014																																					
ACTIVITY: Bridge Maintenance (R321) MAJOR & MINOR						ACTION: Substructure Repairs <i>A. Sealing Abutment & Pier Caps</i>																																											
DEFINITION: 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.																																																	
PURPOSE: To prevent intrusion of water and chlorides leading to deterioration.																																																	
SCHEDULING: Sealing may be performed anytime during dry weather conditions. Refer to manufacturer’s recommendations for appropriate temperatures.						<table><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></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">• Heavy Duty Van Truck• Scaffolds• Electric Generator• Sandblaster/Hoses• Compressor• Traffic Control Equipment; (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. Remove all dirt and debris by compressed air, scraping, or other hand tool methods.3. Lightly sandblast, pressure wash or wire brush top of caps and up or down on each vertical face at least 6 inches.4. Remove any remaining material with compressed air.5. After surface is cleaned and dried, install sealant on top of caps and up or down on each vertical face at least 5 inches.6. Remove traffic control devices.																																											
RECOMMENDED MATERIAL: <ul style="list-style-type: none">• Blasting Sand or Abrasive• Horseyset WD• Carboline Multi-gard 954• Pilgrim Plastic• Pavon• Vulken 925• C.I.M. 1000• Future-Flex 520 HB• Future-Flex 521 HB• Mark 68.1 (Poly-Carb Co.)• Tapco H-550																																																	
SAFETY: Refer to the Comprehensive Safety Program sharepoint portal . Wear all appropriate PPE. Refer to the Risk Based Assessment for additional information.																																																	
OTHER CONSIDERATIONS:																																																	
REFERENCES: EPG 771.13 Sealing Abutment and Pier Caps .																																																	