MAINTENANCE PLANNING GUI	2/2014										
ACTIVITY: Bridge Maintenance (R321)	ACTION: Substructure Repairs A. Sealing Abutment & Pier Caps										
MAJOR & MINOR											
DEFINITION: The time and expenses incurred with maintaining bridges on the state											
highway system. Examples include handrai	l, curb, sidewalks and median, cathodic p	rotection									
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. Ref manufacturer's recommendations for approp temperatures.	Ser to Driate J F M A M J J A S A E A P A U U U E N B R R Y N L G P	O N D C O E T V C									
Heavy Duty Van Truck	1. Place traffic control devices as nee	eded.									
• Scaffolds	2. Remove all dirt and debris by com	pressed air,									
Electric Generator	scraping, or other hand tool metho	ds.									
Sandblaster/Hoses	3. Lightly sandblast, pressure wash o	r wire brush									
Compressor	top of caps and up or down on each	n vertical									
• Traffic Control Equipment;	A Remove any remaining material w	vith									
(See EPG <u>616.23 Traffic Control for</u>	4. Keniove any remaining material w	1011									
<u>Field Operations</u>)	5. After surface is cleaned and dried.	install									
RECOMMENDED MATERIAL:	sealant on top of caps and up or do	own									
Blasting Sand or Abrasive	on each vertical face at least 5 inch	ies.									
Horsevset WD	6. Remove traffic control devices.										
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 <i>Comprehensive Safety Program sharepoint portal</i> . Wear all appropriate											
PPE. Refer to the <u>Risk Based Assessment</u> for additional information.											
OTHER CONSIDERATIONS:											
REFERENCES: EPG 771.13 Sealing Abutment and Pier Caps.											

MAINTENANCE PLANNING GUIDELINES

ACTIVITY: Bridge Maintenance (R321)

ACTION: Substructure Repairs B. Spot Painting of Bearings &

Piling

MAJOR & MINOR

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 protect the bearings and piling from rusting.

SCHEDULING: April to November, with temperatures above 40°F and dry conditions. be extended to all year around with dry and suitable temperatures.	Can	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C
 RECOMMENDED EQUIPMENT: Heavy Duty Van Truck Heavy Duty Flatbed/Extra Heavy Duty Compressor Sandblaster/Hoses Paint Sprayer Scaffolds 1½-in. H.D. Air Drill Traffic Control Equipment; (See EPG <u>616.23 Traffic Control for Field Operations</u>) RECOMMENDED MATERIAL: Blasting Sand or Abrasive Calcium Sulfonate Primer or Penetrating Sealer Gray Calcium Sulfonate Topcoat 	 RECOMMENDED PROCEDURE: Employees performing this work should contact their District Safety & Health Manager to assure training, licensing and physicals are completed. See the following link for details. Lead Safety Guidelines Place traffic control devices as needed. Hang scaffolds, if necessary. If lead paint is being removed place tarps to catch paint chips and debris. Remove all loose paint scale, rust, and other surface material by sandblasting, scraping, grinding, or wire brushing. Prime exposed steel with rust resistant primer or penetrating sealer using paint sprayer or brush immediately following prep work. When primer has dried, apply topcoat with paint sprayer or brush. Clean area, equipment, and tools. Follow procedures outlined in Lead Safety Guidelines. Dispose paint chips and debris in accordance with hazardous waste procedures. 											r to o er ner <u>es</u> .	
SAFETY: Refer to the <u>Comprehensive Safety Program sharepoint portal</u> . Wear all appropriate PPE. Refer to the <u>Risk Based Assessment</u> for additional information.													
OTHER CONSIDERATIONS: Where lead based paint exists, take proper precautions to collect and properly dispose of debris.													

REFERENCES: