## MAINTENANCE PLANNING GUIDELINES

2006

**ACTIVITY:** Bridge Maintenance (R321)

**ACTION:** Substructure Repairs

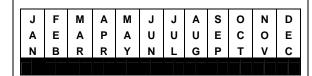
A. Sealing Abutment & Pier Caps

# **MAJOR & MINOR**

**DEFINITION:** The time and expenses incurred with maintaining bridges on the state highway system. Examples include 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.



# **RECOMMENDED EQUIPMENT:**

- Heavy Duty Van Truck
- Scaffolds
- Electric Generator
- Sandblaster/Hoses
- Compressor
- Traffic Control Equipment;
  (See EPG 616.23 Traffic Control for Field Operations)

#### **RECOMMENDED MATERIAL:**

- Blasting Sand or Abrasive
- Horseyset WD
- Carboline Multi-gard 954
- Pilgrim Plastic
- Pavon
- Vulken 925
- C.I.M. 1000
- Future-Flex 520 HB
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- Mark 68.1 (Poly-Carb Co.)
- Tapco H-550

## **RECOMMENDED PROCEDURE:**

- 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 top of caps and up or down on each vertical face at least 6 inches.
- 4. Remove any remaining material with compressed air.
- 5. Install sealant on top of caps and up or down on each vertical face at least 5 inches.
- 6. Remove traffic control devices.

**SAFETY:** Wear all appropriate PPE. Refer to the Safety Policies, Rules & Regulations – Employee Handbook.

### **OTHER CONSIDERATIONS:**

REFERENCES: EPG 771.13 Sealing Abutment and Pier Caps.