

2/2014

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. Can be extended to all year around with dry and suitable temperatures.

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 [616.23 Traffic Control for Field Operations](#))

RECOMMENDED MATERIAL:

- Blasting Sand or Abrasive
- Calcium Sulfonate Primer or Penetrating Sealer
- Gray Calcium Sulfonate Topcoat

RECOMMENDED PROCEDURE:

1. 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](#)
2. Place traffic control devices as needed.
3. Hang scaffolds, if necessary.
4. If lead paint is being removed place tarps to catch paint chips and debris.
5. Remove all loose paint scale, rust, and other surface material by sandblasting, scraping, grinding, or wire brushing.
6. Prime exposed steel with rust resistant primer or penetrating sealer using paint sprayer or brush immediately following prep work.
7. When primer has dried, apply topcoat with paint sprayer or brush.
8. Clean area, equipment, and tools. Follow procedures outlined in [Lead Safety Guidelines](#).
9. Dispose paint chips and debris in accordance with hazardous waste procedures.
10. Remove traffic control devices.

SAFETY: Refer to the [Comprehensive Safety Program sharepoint portal](#). Wear all appropriate PPE. Refer to the [Risk Based Assessment](#) for additional information.

OTHER CONSIDERATIONS: Where lead-based paint exists, take proper precautions to collect and properly dispose of debris.

REFERENCES: