**Pile Repair**

**Description:**
- **Effective:** July 2020
- **Supersedes:** Nov. 2018

**Checked:**
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**General Notes:**
- Only one pile shall be repaired at a time.
- Repair shall be a continuous operation from removal through splicing.
- Based on additional factors other than just percent of section loss, pile replacement should be considered.
- See special provisions.

**Material Notes:**
- **Gray Epoxy-Mastic Primer.**
- **Gray Epoxy-Mastic Primer.**
- **Class 2 Excavation.**
- **Gray Epoxy-Mastic Primer.**
- **Gray Epoxy-Mastic Primer.**

**Specifications:**
- **2002 AASHTO LFD (17th Ed.) Standard Specifications**
- **Design Specifications:**

**Contractor:**
- New steel pile section shall be coated in accordance with Sec 702.
- Damaged areas of existing pile shall be recoated with one 6-mil thickness of Gray Epoxy-Mastic Primer.
- All exposed surfaces of the existing structural steel piles and all steel coatings will not be required below the normal low water line.
- The cost of surface preparation will be considered completely covered by the contract lump sum price for Surface Preparation.
- The cost of dewatering will be considered completely covered by the contract lump sum price for Dewatering.
- The cost of all excavation will be considered completely covered by the contract lump sum price for Steel Pile Repair.

**Design:**
- **Butt Splice (Bottom 45°)**
- **Butt Splice (Top 45°)**

**Sheet No.:**
- 3

**Project No.:**
- RHB15

**Supplemental Details:**
- See Supplemental Details of HP14x73 Pile Encasement With Pile Encasement.
- See EPG 751.40.1.2.1 for guidance on when coating, encasement is required. Include standard pay items such as integral bents can help to determine the repair replacement should be considered.

**Notations:**
- See EPG 751.40.1.2.1 for guidance on when coating, encasement is required. Include standard pay items such as integral bents can help to determine the repair.
- “Aluminum” shall not be used.