Instructions for Pile Plating:

Grade A325 Type 1 bolts and 13/16" diameter holes.

2002 AASHTO LFD (17th Ed.) Standard Specifications

PART ELEVATION SHOWING PILE PLATING

Plate 12" x 3/8" x (2) installed per flange or web.
(4) Use plates as templates for field drilling holes in engineer.
(2) Plate length shall be determined in the field.

PART PLAN OF FLANGE SHOWING PILE PLATING

Plate 9" x 3/8" x (2)

PART PLAN OF WEB SHOWING PILE PLATING

Plate 4" x 3/8" x (2)

PARTIAL PILE REPLACEMENT

New steel pile section shall be coated in accordance with Sec 2003 for continuous operation from removal through splicing.

New steel pile section shall be the same grade as, or greater than, the existing pile (ASTM A709 Grade 36 or 50).

General Notes:

1) New steel pile sections may be used to replace existing pile sections or to increase pile section properties.

2) Pile Encasement or jacketing, and plating or partial replacement should be considered. Details can be modified if only the web plating may be more attractive than partial pile replacement. Based on similar percentage of section loss, pile encasement is required. Include standard pay items note on Front Sheet or Notes Sheet when no repair or no piles need repair and falsework is not provided.

3) Cost of furnishing and installing structural steel pile, all steel coatings and any other incidental material or labor to complete pile repair, complete in place, will be considered completely covered by the contract unit price for Steel Pile Repair. Variations may be encountered in the estimated quantities but the variations can not be used for an adjustment in the contract unit price.

4) The estimated quantities may be used for a lump sum adjustment. Variations in the estimated quantities may be considered in the lump sum adjustment. Variations may be considered for a lump sum adjustment if the contract unit price is not used for an adjustment.

5) Based on additional factors other than just percent of section loss, pile encasement or jacketing, and plating or partial replacement may be more attractive than partial pile replacement.

6) Use this note for noting any existing pile or pile section being replaced.

7) If so desired, the new pile section shall be coated in accordance with Sec 2003 for continuous operation from removal through splicing.

8) Based on similar percentage of section loss, pile encasement is required. Include standard pay items note on Front Sheet or Notes Sheet when no repair or no piles need repair and falsework is not provided.

9) Contact surfaces shall be in accordance with Sec 1081 for continuous operation from removal through splicing.

10) Cost of dewatering will be considered completely covered by the contract lump sum price for Dewatering. See special provisions.

11) Cost of all excavation will be considered completely covered by the contract lump sum price for Class 2 Excavation. See special provisions.

12) Steel pile, all steel coatings and any other incidental material or labor to complete pile repair, complete in place, will be considered completely covered by the contract unit price for Steel Pile Repair.

13) Contact surfaces shall be in accordance with Sec 1081 for continuous operation from removal through splicing.

14) Damaged areas of existing pile shall be recoated with one 6-mil thickness of Gray Epoxy-Mastic Primer.