For details of pile plating, see Sheet No. __. Shear connectors shall be in accordance with Sec 712, 1037 and 1080. Supplementary pile repair shall be considered completely covered by the contract unit price for labor to complete pile encasement, complete in place, will be prepared. Coatings and any other incidental material or money for this substitution. See special provisions.

The exposed and accessible surfaces of the existing structural steel that will be encased in concrete shall be cleaned with a minimum of one coat of gray epoxy-mastic primer (non-aluminum). The surface preparation and coated with a minimum of SSPC-SP-3 surface preparation and coating for piles shall extend a minimum of one inch outside the face of the pile encasement.

All concrete for pile encasement shall be Class B (f'c = 3000 psi). The reinforcing steel shall be epoxy coated Grade 60 with fy = 60,000 psi. All bars shall be epoxy coated. The reinforcing steel shall be placed in accordance with Sec 711 to produce a dry film thickness of 60 mils before concrete is poured. The surface shall be cleaned and seal top coating - specially formulated for pile encasement with protective coating - Concrete Bents only with Protective Coating - Concrete Bents. For pile repair or partial pile replacement, see EPG 751.40.1.2.1 for guidance on when coating, encasement or jacketing, and plating or partial replacement should be considered. Shear connectors are only used for partial pile replacement. Existing sway bracing may need to be removed and reattached if it is located in the area of pile to be replaced or plated.

Center lines to reinforcing steel shall be § 1/2", unless otherwise shown. Shear connectors are only used for partial pile replacement. All dimensions are out to out. The reinforcing steel shall be epoxy coated Grade 60 with fy = 60,000 psi. #4 - P1 at about 12" cts. (max. Spacing)

General Notes:
- All dimensions are out to out.
- Shear connectors are only used for partial pile replacement.