**Scheme 2 - Concrete Curb Details**

**Scheme 3 - Side Mounted Support Bracket Details**

**Bridge Picket Railing Details**

**Estimated Concrete Curb Quantities (Scheme 2)**

**Conventional Rebar Bending Diagrams**

**Alternate Reinforcing (Welded Wire Reinforcement) Details**

**Conventional Reinforcing Steel Bending Diagrams**

**Bill of Reinforcing Steel**

**Curb Reinforcing Steel Notes**

**Splice Details**

**Curb Setting**

**Field Splice Joint**

**Reinforcement (WWR)**

**Welded Wire Reinforcement (WWR)**

**Splice Detail**

**2008 FDOT Design Standards**

**Railing Details:** For railing fabrication and installation details and notes see Index No. 850, except that railing shall be fabricated and installed normal to the Profile Grade longitudinally and vertically transversely.

**Concrete Curb:** Construct concrete curb vertical with the top surface finished level transversely. Concrete class shall be the same as the bridge deck.

**Side Mounted Support Bracket:** (Scheme 3) (Shaped and Stiffener Plate shall be in accordance with ASTM A46. Welding shall be in accordance with the American Society of Mechanical Engineers Code 1500 and AWS GB 1.1. (current edition). Weld metal shall be E7015 or E7016-N. Nondestructive testing of welds is not required. The bracket shall be hot-dip galvanized after fabrication in accordance with Section 682 of the Specifications.

**Payment:** Railing shall be paid per linear foot (Item No. 515=2-85d) for the steel railing and include the costs of support brackets (Scheme 3), concrete and reinforcing steel quantities for the concrete curb (Scheme 2), and all included in the bridge deck plan quantity pay items. Payment will be plan quantity measured as the length along the center line of the top rail, and includes rails, posts, pickets, rail splice assembly, base plates, anchor bolts, nuts, washers, resilient or neoprene pads and all incidentals and labor required to complete the steel railing.