**Description:**

**Reinforcing Steel not shown for clarity**

**Revision:**

**LAST REV: 01/01/12**

**FDOT 2014 DESIGN STANDARDS**

**42" CONCRETE PEDESTRIAN/BICYCLE RAILING**

**INDEX NO. 825**

**Sheet No. 1 of 1**

**CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS**

**Bill of Reinforcing Steel**

**ALTERNATE REINFORCING (WELDED WIRE REINF.) DETAILS**

**NOTE:** Place wire panels to ensure vertical wire is within 8" of open joints.

**WELDED WIRE REINFORCEMENT (WWR)**

**(2 Pieces Req'd.)**

**DETAIL "A" - SECTION AT INTERMEDIATE OPEN JOINT**

**Pre-cured Silicone Sealant (4" wide)**

**SECTION A-A**

**(Typical C-I-P Section Thru Bridge Deck Shown, Section Thru Approach Slab Similar)**

**RAILING NOTES:**

1. Railing shall be placed vertical and top surface shall be level transversely.

**INTERMEDIATE JOINT SEAL NOTES:**

1. At Intermediate Open Joint, seal the lower 4" portion of the open joint with Pre-cured Silicone Sealant in accordance with Specification Section 932.

2. Apply sealant prior to any Class 5 Finish Coating and remove all curing compound and loose material from the surface prior to application of bonding agent.

3. The cost of the Pre-cured Silicone Sealant shall be included in the Contract Unit Price for the Railing.

**REINFORCING STEEL NOTES:**

1. All bar dimensions in the bending diagrams are out to out.

2. The reinforcement for the railing on a retaining wall shall be the same as detailed above for an 8" deck.

3. All reinforcing steel at the open joints shall have a 2" minimum cover.

4. Bar splices for Bars 4S shall be a minimum of 1'-4".

5. At the option of the Contractor Welded Wire Reinforcement (WWR) may be used in lieu of all Bars 3R and 4S. Welded Wire Reinforcement shall conform to Specification Section 932.

**Estimated Concrete Railing Quantities**

**ITEM**

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<tr>
<th>Concrete</th>
<th>0.079</th>
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<tr>
<td>Reinforcing Steel</td>
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**UNIT**

<table>
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<th>LB/LF</th>
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<th>QUANTITY</th>
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The above quantities are based on a deck with a 2% cross slope.