ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:
Date: January 28, 2021
Originator: Rick Jenkins
Phone: (850) 414-4355
Email: rick.jenkins@dot.state.fl.us

Summary of the changes:
Sheet 5- Added knuckled selvage as an option to the chain-link railing option

Commentary / Background:
The selvage requirements detailed on Index 515-052 were based on a conservative approach to secure the bottom edge. Using knuckle selvage top and bottom would be acceptable.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes No
☑ ☐ Other Standard Plans –
☐ ☑ FDOT Design Manual –
☐ ☐ Basis of Estimates Manual –
☐ ☐ Standard Specifications –
☐ ☐ Approved Product List –
☐ ☐ Construction –
☐ ☐ Maintenance –

Origination Package Includes:
(Email or hand deliver package to Rick Jenkins)

Yes N/A
☑ ☐ Redline Mark-ups
☐ ☐ Proposed Standard Plan Instruction (SPI)
☐ ☐ Revised SPI
☐ ☐ Other Support Documents

Implementation:
☐ Design Bulletin (Interim)
☐ DCE Memo
☐ Program Mgmt. Bulletin
☑ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form
**TYPE A - PICKET INFILL PANEL**

Picket Spacing: 6" O.C. (Max.)

**TYPE 1 - PICKET INFILL PANEL**

Picket Spacing of 6" centers is based on a 1/4" Ø Bar for standard applications. When shown in the Contract Plans a 4" picket spacing may be required. See Note 4 (Sheet 1).

**PICKET NOTES:**

- Equal Clear Openings at Posts: 2½" Min. - 5⅞" Max. (Typ.)
- Equal Clear Openings: 3" Nominal Opening
- 2½" Min. ~ 5⅞" Max. (Typ.)
- 2½" Min. ~ 5⅞" Max. (Typ.)

**DETAIL "1A"**

(Top of Picket Connection)

**DETAIL "1B"**

(Bottom of Picket Connection)

**SECTION A-A**

**TABLE 2 - CHAIN-LINK PANEL COMPONENT MATERIALS**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>ASTM</th>
<th>COMPONENT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain-Link Fence Fabric (2&quot; mesh x No. 9 gage with knuckled top and twisted bottom selvage)</td>
<td>A 392  A 491</td>
<td>Zinc-Coated Steel - No. 9 gage (coated wire diameter), Class 2 Coating</td>
</tr>
<tr>
<td>Chain-Link Fence Fabric (2&quot; mesh x No. 9 gage with knuckled top and twisted bottom selvage)</td>
<td>A 392  A 491</td>
<td>Aluminum-Coated Steel - No. 9 gage (coated wire diameter)</td>
</tr>
<tr>
<td>Chain-Link Fence Fabric (2&quot; mesh x No. 9 gage with knuckled top and twisted bottom selvage)</td>
<td>A 392  A 491</td>
<td>Polyvinyl Chloride (PVC) Coated Steel - No. 9 gage Zinc-Coated Wire (metallic-coated core wire diameter) - See Plans for specified color of PVC</td>
</tr>
<tr>
<td>Tie Wires</td>
<td>F 626</td>
<td>Zinc-Coated Steel Wire - No. 9 gage with coating to match Chain-Link Fence Fabric.</td>
</tr>
<tr>
<td>Tension Bars</td>
<td>F 626</td>
<td>1/4&quot; (Min. thickness) x 1/2&quot; (Min. width) x 2'-3&quot; (Min. height) Steel Bars</td>
</tr>
<tr>
<td>Miscellaneous Fence Components</td>
<td>F 626</td>
<td>Zinc-Coated Steel</td>
</tr>
</tbody>
</table>

**CHAIN-LINK PANEL NOTE:**

Chain-Link Fence Fabric shall be continuous along limits of railing. Splicing of Chain-Link panels using Tension Bars at 20'-0" minimum increments is permitted.

**NOTES:**

1. See Plans for Infill Panel option required.
SECTION A-A

See Detail "1B"

See Detail "1A"

(Typ.)

Picket

Picket

6 ft. O.C. (Max.)

Picket Spacing * (Typ.)

A

A

(Shown dashed)

Optional weld at end picket

Optional weld at end picket

Intermediate Rail

Post

End Permitted

45° Beveled

End Permitted

5/8" Ø Bar (Typ.)

Post & Anchor Bolt

Anchor Bolt

sic

Post

ƃ" Thick Resilient

or Neoprene Pad

Post & Anchor Bolt

Picket ~ ƃ" Ø Bar (Typ.)

DETAIL "1A"

(Top of Picket Connection)

DETAIL "1B"

(Bottom of Picket Connection)

3" Nominal Opening

Equal Clear Openings at Posts

2 3/16" Min. ~ 3 5/16" Max. (Typ.)

A

A

PICKET NOTES:

* Picket Spacing of 6 ft. centers is based on a 5/8" Ø Bar for standard applications.

When shown in the Contract Plans a 6 ft. picket spacing may be required. See Note 4 (Sheet 1).

TYPE 1 - PICKET INFILL PANEL

CHAIN-LINK PANEL NOTE:

Chain-Link Fence Fabric shall be continuous along limits of railing.

Splicing of Chain-Link panels using Tension Bars at 20'-0" minimum increments is permitted.

Notes:

1. See Plans for Infill Panel option required.

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<tr>
<td>Knuckled Selvage (Typ.)</td>
<td>A 491</td>
<td>Aluminum-Coated Steel - No. 9 gage (coated wire diameter)</td>
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TYPE 2 - CHAIN-LINK (Continuous Infill Panel)