Contact Information:
Date: November 24, 2020
Originator: Ge Wan
Phone: (850) 414-4394
Email: ge.wan@dot.state.fl.us

Summary of the changes:
Sheet 3: Change weld on Handhole.

Standard Plans:
Index Number: 649-010
Sheet Number (s): 3 of 3
Index Title: Steel Strain Pole

Commentary / Background:
Update to meet current criteria

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

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑</td>
<td></td>
</tr>
</tbody>
</table>

- 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)

<table>
<thead>
<tr>
<th>Yes</th>
<th>N/A</th>
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<tbody>
<tr>
<td>☑</td>
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</table>

- 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.
NOTES:
1. Clamps have been sized for Design
   Cable Loads Shown in the Clamp
   Thickness Table, and a Maximum
   Pole Diameter at the Clamp location
   of 2'-1". Use one clamp per cable.

2. Install a properly sized Weather
   Head, fastened securely to the
   standard pipe for each pole
   location. At locations other than
   the wire entrance, the Weather
   Head face is to be left closed
   to outside atmosphere. Wire
   entrance installed per Index 634-001.

3. Any combination of Option 'a' or 'b'
   may be used provided both lifting
   and wiring is accommodated.

4. 1/2 x 2'-1" Lifting Bar with 1/4" hole and Matchiing Nut Tack Welded To underside of bar

5. 1/2" Bolt With Double Nuts And Washers (Typ.)

6. 2" NPS, Sch. 40 Pipe

7. 1/2" Stainless Steel Hex Head Screw (Typ.)

8. Steel Clamp, ASTM A500 Grade B
   (See Table For Thickness)

9. 3/4" Bolt With Double Nuts And Washers (Typ.)

10. 11/8" Stainless Steel Hex Head Screw (Typ.)

* Steel Clamp, ASTM A500 Grade B

<table>
<thead>
<tr>
<th>Clamp Diameter (in.)</th>
<th>Minimum Plate Thickness (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>5/32</td>
</tr>
<tr>
<td>5/8</td>
<td>3/32</td>
</tr>
<tr>
<td>3/4</td>
<td>1/8</td>
</tr>
</tbody>
</table>
DESCRIPTION:
1. Clamps have been sized for Design Cable Loads shown in the Clamp Thickness Table, and a Maximum Pole Diameter at the Clamp location of 2'-1". Use one clamp per cable.
2. Install a properly sized Weather Head, fastened securely to the standard pipe for each pole location. At locations other than the wire entrance, the Weather Head Face is to be left closed to outside atmosphere. Wire entrance installed per Index 634-001.
3. Any combination of Option 'a' or 'b' may be used provided both lifting and wiring is accommodated.

CLAMP THICKNESS TABLE

<table>
<thead>
<tr>
<th>Cable Diameter (in)</th>
<th>Minimum Braking Strength (kip)</th>
<th>Plate Thickness (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>18</td>
<td>7/8</td>
</tr>
<tr>
<td>3/8</td>
<td>17.6</td>
<td>3/4</td>
</tr>
<tr>
<td>1/4</td>
<td>16.5</td>
<td>3/8</td>
</tr>
</tbody>
</table>

NOTES:

1. Handhole and Pole Top Details may be used provided both lifting and wiring is accommodated.

HANDHOLE

SECTION C-C

WIRE ENTRANCE DETAIL

POLE TOP

ATTACHMENT DETAILS

FY 2022-23

STANDARD PLANS

STEEL STRAIN POLE

INDEX

SHEET

649-010

3 of 3

DRAFT

I N T E R N A L   R E V I E W

1

DRAFT

I N T E R N A L   R E V I E W

1

DRAFT

I N T E R N A L   R E V I E W

1