Angle C = Angle D = 30°

WOOD POLE GUY ALIGNMENT
(1 Span)

STEEL STRAIN POLE ANCHOR BOLT ORIENTATION
(1 Span)

Angle C = Angle D = 30°

WOOD POLE GUY ALIGNMENT
(2 Spans)

STEEL STAIN POLE ANCHOR BOLT ORIENTATION
(2 Spans)
### BASE PLATE AND ANCHOR BOLT DATA

<table>
<thead>
<tr>
<th>Anchor Bolts</th>
<th>B</th>
<th>F</th>
<th>H</th>
<th>P</th>
<th>S</th>
<th>T</th>
<th>Pole Size</th>
<th>Foundation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/4&quot; x 8'-0&quot;</td>
<td>1'-10&quot;</td>
<td>1'-3 1/2&quot;</td>
<td>2 3/4&quot;</td>
<td>4 3/4&quot;</td>
<td>1'-11&quot;</td>
<td>2 1/2&quot;</td>
<td>1'-3&quot; x 30'</td>
<td>3'-0&quot; x 12'</td>
</tr>
<tr>
<td>2'-0&quot;</td>
<td>3&quot;</td>
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</tbody>
</table>

**Lap = 1'-6"**

**501 x 9'-4"**

**Galvanized Metal Cover**

**Grounding Bushing**

**1/2" Ø Conduit**

**2" Ø Conduit**

**2 1/4" x 8'-0"**

**3'-0" x 12' Spacing**

**9 501 at 1'-5" Spacing**

**501 x 9'-4"**

**Indiana Department of Transportation**

**Steel Signal Strain Pole Foundation Details**

**September 2017**

**Standard Drawing No. E 805-SGSC-02**

**Design Standards Engineer**

**Chief Engineer**

**Signature/Date**

/s/ David H. Boruff 06/23/16

/s/ Mark A. Miller 06/29/16

**Register Professional Engineer**

**No. 60900348**

**INDIANA DEPARTMENT OF TRANSPORTATION**

**STATE OF INDIANA**

**DESIGN STANDARDS ENGINEER**

**CHIEF ENGINEER**

**DATE**
If Required
Openings, Slotted Louver
Cable Ring
5" Backplate
SPAN-HEAD ATTACHMENT
2" Retroreflective Strip
Tether Cable
Tether Bracket
3/8" Ø Span Wire Cable
1'-3" Min. Ø
Drip Loop
5" Backplate
2" Retroreflective Strip
Tether Cable
Tether Bracket

NOTES:
1. Installation is the same for steel strain poles except pole bands will be used.
2. Aircraft cable shall use a heavy closed wire rope thimble at contact with pole bands.

TOP VIEW

Down Guys
Slotted Louver Openings, If Required
All Wire Rope Clips Shall Be Installed In The Same Direction On Span and Catenary.

SAFETY CABLE AND EYE BOLT DETAIL
* If more than one catenary is attached to pole.

CABLE SPAN ATTACHMENT
SEPTEMBER 2017
STANDARD DRAWING NO. E 805-SGSC-03
INDIANA DEPARTMENT OF TRANSPORTATION

/s/ David H. Boruff  06/23/16
DESIGN STANDARDS ENGINEER  DATE

/s/ Mark A. Miller  06/29/16
CHIEF ENGINEER  DATE

STATE OF
No. 60900348
REGISTERED PROFESSIONAL ENGINEER
NOTES:

1. With a 3-Section Left Turn Signal, the minimum distance shall be 4'-10".

2. The tether bracket shall provide a 2 in. minimum space between the signal backplate and tether and shall be secured by a wire rope clamp or tether plate.