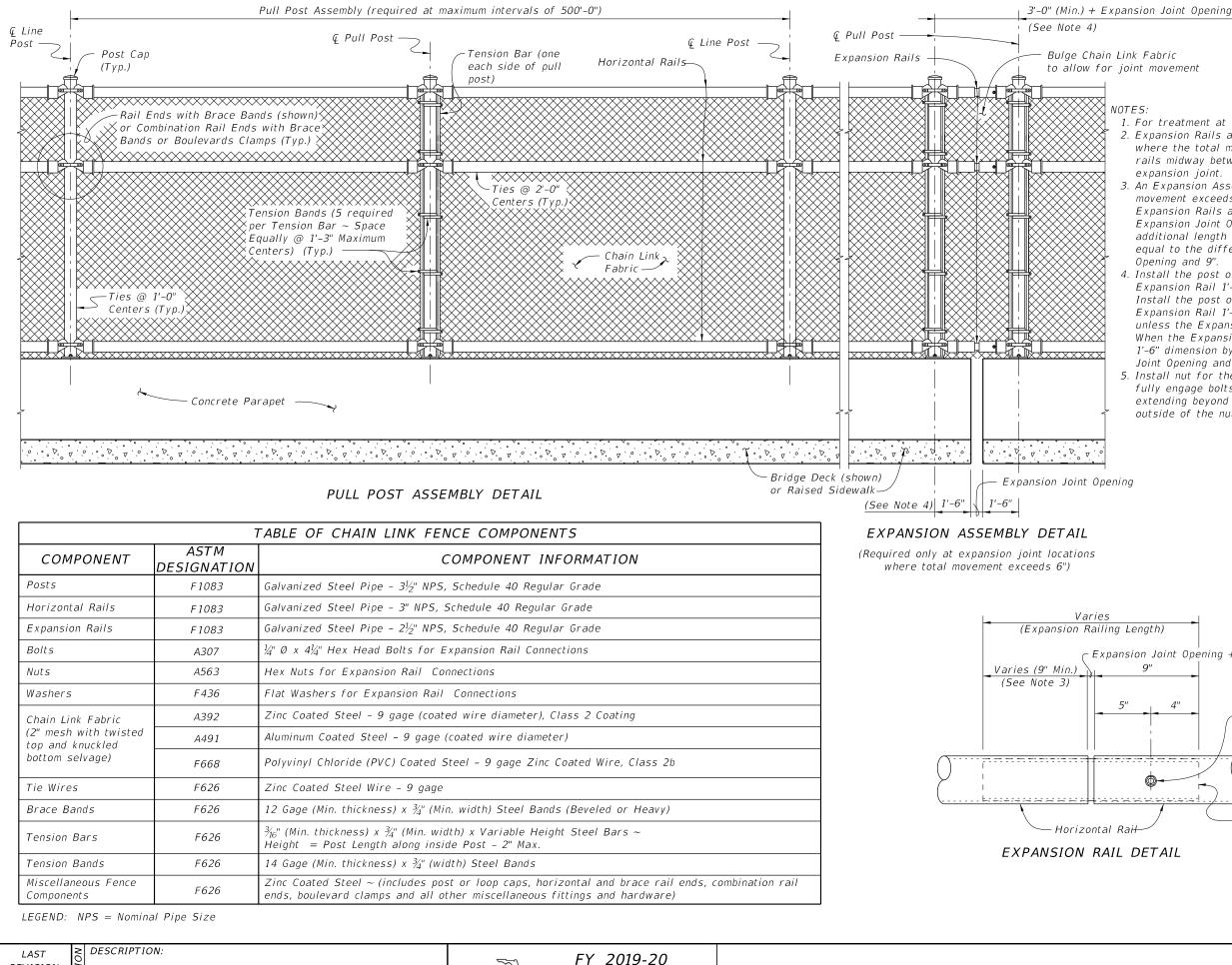


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FDOT

STANDARD PLANS

LAST REVISION 11/01/17

BRIDGE FENCING (CURVED T

1. For treatment at the bridge ends, see Sheet 1.

2. Expansion Rails are required at expansion joint locations where the total movement exceeds 1". Install expansion rails midway between the fence posts spanning the expansion joint.

3. An Expansion Assembly is required where the total joint movement exceeds 6". Expansion Assembly includes Expansion Rails and two pull posts (as shown). When the Expansion Joint Opening is greater than 9" add an additional length to the free end of the Expansion Rail equal to the difference between the Expansion Joint Opening and 9".

4. Install the post on the fixed (bolted) side of the Expansion Rail 1'-6" from the edge of the expansion joint. Install the post on the slip (unbolted) side of the Expansion Rail 1'-6" from the edge of the expansion joint unless the Expansion Joint Opening is greater than 9". When the Expansion Joint Opening exceeds 9" increase the 1'-6" dimension by the difference between the Expansion

Joint Opening and 9". 5. Install nut for the expansion rail finger-tight. The nut will fully engage bolts with a minimum of one bolt thread extending beyond the nuts. Distort the first thread on the outside of the nut to prevent loosening.

gth)						
n Joint Opening + ¼" 9"						
4" ¹ / ₄ " Ø Bolt with Hex Nut and Washer (See Note 5)						
Expansion Rail						
ETAIL						
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TABLE OF POST ATTACHMENT COMPONENTS			
COMPONENT	ASTM DESIGNATION	COMPONENT INFORMATION	
Base Plates	A36 or A709 Grade 36	¾" Steel ₽	
Shim Plates	A36 or A709 Grade 36 or B209 Alloy 6061-T6 or B221 Alloy 6063-T5	Plate thicknesses as required, Holes in shim plates will be $\frac{3}{4}$ " Ø	
Adhesive Anchor Rods	F1554 Grade 36	Fully threaded Headless Anchor Rods ~ $7_{\!\!8}^{\prime\prime\prime}$ Ø x $14^1_{\!\!2}^{\prime\prime\prime}$	
C-I-P Anchor Rods	F1554 Grade 36	Hex Head Anchor Rods ~ $7_{\!\!8}^{\prime\prime}$ Ø x 14 $1_{\!\!2}^{\prime\prime}$	
Nuts	A563	Hex Nuts for Base Plate Connections	
Washers	F436	Flat Washers for Base Plate Connections	
Bearing Pads (Plain)	_	In accordance with Specification Section 932 for ancillary structures	

POST ATTACHMENT NOTES

ANCHOR RODS, NUTS AND WASHERS:

After the nuts have been tightened, distort the Anchor Rod threads to prevent removal of the nuts. Coat distorted threads and exposed trimmed ends of anchors with a galvanizing compound in accordance with Specification Section 562. COATINGS:

Hot-dip galvanize all Nuts, Washers, Bolts, C-I-P Anchor Rods, Adhesive Anchors and Fence Framework (Posts, Internal Sleeves, Shim Plates and Base Plates) in accordance with Specification Section 962. Hot-dip galvanize Fence Framework after fabrication. ADHESIVE-BONDED ANCHORS AND DOWELS:

Adhesive Bonding Material Systems for Anchors and Dowels will comply with Specification Section 937 and be installed in accordance with Specification Section 416. Cutting of reinforcing steel is permitted for drilled hole installation. WELDING:

All welding will be in accordance with the American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition). Weld metal will be E60XX or E70XX. Nondestructive testing of welds is not required.

