

NOTES:

1. A Pull Post Assembly is required at maximum intervals of 500'-0". See Sheet 3.

* Do not anchor Fencing to the top of Traffic Railings.

FENCING NOTES

FENCE INSTALLATION:

Install posts plumb (within a tolerance of \pm $1\frac{1}{2}$ "). Use shim plates as required to achieve plumb. The required quantity and thickness of shim plates will be determined in the field. Install chain link fence in accordance with ASTM F567 as applicable. TRAFFIC RAILING DETAILS:

See Superstructure Sheets for Traffic Railing details.

LIMITS OF FENCING:

DESCRIPTION:

Limits of fencing are from begin of approach slab at Begin Bridge to end of approach slab at End Bridge, unless otherwise shown in the plans.

PAYMENT:

Payment will be made under Fencing, Type R. Payment includes all materials and labor required to complete installation of the fence.

CROSS REFERENCE:

For Table of Fence Components, Table of Post Attachment Components, View A-A and Detail "A" see Sheet 2.

For Pull Post Assembly Detail for Traffic Railing see Sheet 3.

LAST **REVISION** 11/01/17



FY 2019-20 STANDARD PLANS

BRIDGE FENCING (OVER RAILROAD)

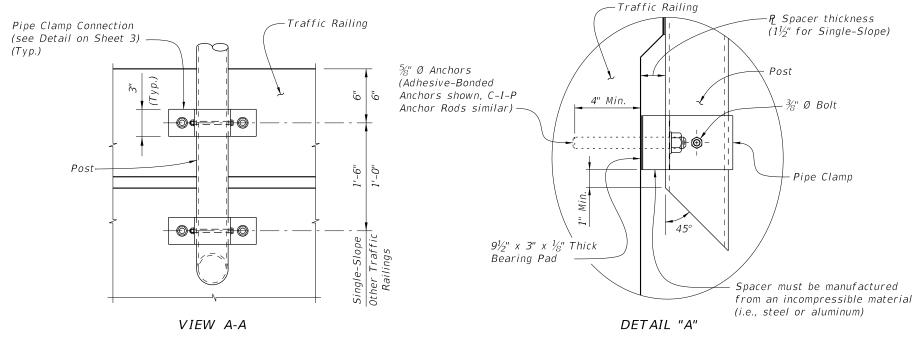
INDEX

SHEET 1 of 3

550-013

TABLE OF CHAIN LINK FENCE COMPONENTS				
COMPONENT	ASTM DESIGNATION	COMPONENT INFORMATION		
Posts	F1083	Galvanized Steel Pipe - 3" NPS, Schedule 40 Regular Grade		
Chain Link Fabric (2" mesh with twisted top and knuckled bottom selvage)	A392	Zinc Coated Steel - 9 gage (coated wire diameter), Class 2 Coating		
	A491	Aluminum Coated Steel - 9 gage (coated wire diameter)		
	F668	Polyvinyl Chloride (PVC) Coated Steel - 9 gage Class 2b		
Tie Wires	F626	Zinc Coated Steel Wire - 9 gage		
Brace Bands	F626	12 Gage (Min. thickness) x ¾" (Min. width) Steel Bands (Beveled or Heavy)		
Tension Bars	F626	3_{16} " (Min. thickness) x 3_4 " (Min. width) x 6'-10" (Min. height) Steel Bars		
Tension Bands	F626	14 Gage (Min. thickness) x $rac{3}{4}$ " (Min. width) Steel Bands		
Miscellaneous Fence Components	F626	Zinc Coated Steel ~ (includes post or loop caps, horizontal and brace rail ends, combination rail ends, boulevard clamps and all other miscellaneous fittings & hardware)		
Tension Wire	A824 & A817	Type II (Zinc Coated Steel Wire) - 7 gage, Class 4 Coating		
		Type I (Aluminum Coated Steel Wire) - 7 gage		
Hog Rings	F626	Zinc Coated Steel Wire - 12 gage		
Brace Rails	F1083	Galvanized Steel Pipe – $1\frac{1}{4}$ " NPS, Schedule 40 Regular Grade		

	TABLE OF POST ATTACHMENT COMPONENTS				
COMPONENT		ASTM DESIGNATION	COMPONENT INFORMATION		
Pipe Clamps		A36 or A709 Grade 36	¼" Steel ዊ		
Base Plates		A36 or A709 Grade 36	¾" Steel P		
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 $\frac{34}{4}$ Ø		
Space	ers	-	Plate thickness varies based on traffic railing type (See Detail "A")		
Pipe Clamp Connection	Adhesive Anchor Rods	F1554 Grade 36	Fully threaded Headless Anchor Rods $\sim \%$ " Ø x 6" (no spacer) or $\%$ " Ø x (6" + spacer thickness)		
Pipe (Conne	C-I-P Anchor Rods	F1554 Grade 36	Hex Head Anchor Rods $\sim \frac{5}{8}$ " Ø x 6" (no spacer) or $\frac{5}{8}$ " Ø x (6" + spacer thickness)		
Bolts		A307	¾" Ø x 4¾" Hex Head Bolts for Pipe Clamp Connections to Posts		
Nuts		A563	Hex Nuts for Pipe Clamp Connections		
Washers		F436	Flat Washers for Pipe Clamp Connections		
Bearing Pads (Plain Neoprene)			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, Base Plates, Pipe Clamps and Spacers) 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.

CROSS REFERENCE:

For location of View A-A and Detail "A" see Sheet 1.

REVISION 11/01/17

DESCRIPTION:

FDOT

FY 2019-20 STANDARD PLANS BRIDGE FENCING (OVER RAILROAD)

INDEX

SHEET

