1. A Pull Post Assembly is required at maximum intervals of 500'-0". See Sheet Nos. 3 of 4.

Equal Spaces @ 10'-0" Max. (Posts may be shifted minimally to meet required clearances)

- 2. Brace rails are only required for vertical fence installations on Traffic Railing.
- 3. Provide horizontal rails for vertical fence installations on Concrete Parapets in lieu of tension wire. Locate horizontal rails as shown in the Typical Section for Concrete Parapets at right.

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

FENCING NOTES

Post Spacing (See Note 1)

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 F 567 as applicable. TRAFFIC RAILING DETAILS:

See Superstructure Sheets for Traffic Railing Barrier details.

CONCRETE PARAPET DETAILS:

DESCRIPTION:

See Index No. 820 - Pedestrian/Bicycle Railing for Concrete Parapet details. Provide fencing in lieu of aluminum bullet railing as shown on Index No. 820.

LIMITS OF FENCING:

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 posts, horizontal and expansion rails, brace rails and bands, rail ends, combination rail ends, boulevard clamps, chain link fabric, tension wire, ties, hog rings, tension bars and bands, post and loop caps, pipe clamps, base plates, anchor rods, bolts, nuts, washers, shim plates, spacers, neoprene pads, miscellaneous fence fittings and hardware and all incidental 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 No. 2.

For Pull Post Assembly Detail for Traffic Railing Barriers see Sheet No. 3.

For Pull Post Assembly Detail for Concrete Parapets and Detail "B" see Sheet No. 4.

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FDOT DESIGN STANDARDS FY 2012/2013

BRIDGE FENCING (VERTICAL)

INDEX NO. 810

Post Cap (shown)

or Loop Cap

Horizontal Rail (Typ.) -

Post &

Concrete

Parapet -

Detail "B"

Concrete

Parapet -

Bridge Deck (shown)

or Raised Sidewalk

TYPICAL SECTION

ON CONCRETE

PARAPET

Top of

Concrete Parapet

SHEET NO.

Pipe Clamp Connection

3) (Typ.) —

Post-

(see Detail on Sheet No.

(Typ.)

≥ DESCRIPTION:

VIEW A-A

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TABLE OF CHAIN LINK FENCE COMPONENTS						
COMPONENT		ASTM DESIGNATION	COMPONENT INFORMATION			
Traffic Railing Barriers and Concrete Parapets	Posts	F 1083	Galvanized Steel Pipe - 3" NPS, Schedule 40 (3.500" Outside Diameter, 0.216" Wall Thickness)			
	Chain Link Fabric (2" mesh with twisted top and knuckled bottom selvage)	A 392	Zinc Coated Steel - No. 9 gage (coated wire diameter), Class 2 Coating			
		A 491	Aluminum Coated Steel - No. 9 gage (coated wire diameter)			
		F 668	Polyvinyl Chloride (PVC) Coated Steel - No. 9 gage Zinc Coated Wire (metallic-coated core wire diameter) ~ Specify the color of the polymer coating in the General Notes			
	Tie Wires	F 626	Zinc Coated Steel Wire - No. 9 gage			
	Brace Bands	F 626	No. 12 Gage (Min. thickness) x $\frac{3}{4}$ " (Min. width) Steel Bands (Beveled or Heavy)			
	Tension Bars	F 626	$\frac{3}{16}$ " (Min. thickness) x $\frac{3}{4}$ " (Min. width) x 5'–10" (Min. height) Steel Bars			
	Tension Bands	F 626	No. 14 Gage (Min. thickness) x $rac{3}{4}$ " (Min. width) Steel Bands			
	Miscellaneous Fence Components	F 626	Zinc Coated Steel ~ (includes post or loop caps, horizontal and brace rail ends, combination rail ends, boulevard clamps and all other miscellaneous fittings & hardware)			
e s	Horizontal Rails	F 1083	Galvanized Steel Pipe - $2\frac{1}{2}$ " NPS, Schedule 40 (2.875" Outside Diameter, 0.203" Wall Thickness)			
	Expansion Rails	F 1083	Galvanized Steel Pipe - 2" NPS, Schedule 40 (2.375" Outside Diameter, 0.154" Wall Thickness)			
Concrete Parapets	Bolts	A 307	1/4" Ø x $41/4$ " Hex Head Bolts for Expansion Rail Connections			
CC	Nuts	A 563	Hex Nuts for Expansion Rail Connections			
	Washers	F 436	Flat Washers for Expansion Rail Connections			
ng	Tension Wire A	A 824 & A 817	Type II (Zinc Coated Steel Wire) - No. 7 gage, Class 4 Coating			
Traffic Railing Barriers			Type I (Aluminum Coated Steel Wire) - No. 7 gage			
	Hog Rings	F 626	Zinc Coated Steel Wire - No. 12 gage			
	Brace Rails	F 1083	Galvanized Steel Pipe – $1\frac{1}{4}$ " NPS, Schedule 40 (1.660" Outside Diameter, 0.140" Wall Thickness)			

%" Ø Anchors

(Adhesive-Bonded Anchors shown, C-I-P

Anchor Rods similar) -

-Traffic Railing Barrier

igs & nardware)	C-I-P And	hor Rods
	Bolts	
	Nuts	
	Washers	
	Neoprene Pads	
		I
ier		POST AT
Post 3%" Ø Bolt Pipe Cla	тр	ANCHOR RO After the removal of with a ga COATINGS: Hot-dip g and Fence Clamps an galvanize ADHESIVE- Adhesive Specifical Section 4 installatio WELDING: All welding Cor E70XX
- 1½" P Spacer must from an incompres	sible material	CROSS REF For locati

(i.e., steel or aluminum)

TABLE OF POST ATTACHMENT COMPONENTS						
COMPONENT		ASTM DESIGNATION	COMPONENT INFORMATION			
Pipe Clamps		A 36 or A 709 Grade 36	1/4" Steel PL			
Base Plates		A 36 or A 709 Grade 36	¾" Steel P			
Shim Plates		A 36 or A 709 Grade 36 or B 209 Alloy 6061-T6 or B 221 Alloy 6063-T5	Plate thicknesses as required; Holes in shim plates will be $\frac{3}{4}$ " Ø			
Spacers		-	1¼" P for all materials			
Pipe Clamp Connection	Adhesive Anchor Rods	F 1554 Grade 36	Fully threaded Headless Anchor Rods $\sim \frac{1}{2}$ " Ø x 6" (no spacer) or $\frac{1}{2}$ " Ø x $7\frac{1}{4}$ " (with spacer)			
	C-I-P Anchor Rods	F 1554 Grade 36	Hex Head Anchor Rods $\sim \frac{5}{8}$ " Ø x 6" (no spacer) or $\frac{5}{8}$ " Ø x 7 $\frac{1}{4}$ " (with spacer)			
Base Plate Connection	Adhesive Anchor Rods	F 1554 Grade 36	Fully threaded Headless Anchor Rods \sim $7_8^{\prime\prime}$ Ø x $147_2^{\prime\prime}$			
	C-I-P Anchor Rods	F 1554 Grade 36	Hex Head Anchor Rods $\sim \frac{7}{8}$ " Ø x $14\frac{1}{2}$ "			
Bolts		A 307	%" Ø x 4¾" Hex Head Bolts for Pipe Clamp Connections to Posts			
Nuts		A 563	Hex Nuts for Pipe Clamp and Base Plate Connections			
Washers		F 436	Flat Washers for Pipe Clamp and Base Plate Connections			
Neoprene Pads		-	In accordance with Specification Section 932			

TTACHMENT NOTES

ODS, NUTS AND WASHERS:

e nuts have been tightened, distort the Anchor Rod threads to prevent of the nuts. Coat distorted threads and exposed trimmed ends of anchors alvanizing compound in accordance with Specification Section 975.

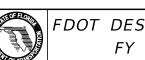
galvanize all Nuts, Washers, Bolts, C-I-P Anchor Rods, Adhesive Anchors ce Framework (Posts, Internal Sleeves, Shim Plates, Base Plates, Pipe and Spacers) in accordance with Specification Section 962. Hot-dip e Fence Framework after fabrication.

-BONDED ANCHORS AND DOWELS:

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

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

tion of View A-A and Detail "A" see Sheet No. 1.



 $9\frac{1}{2}$ " x 3" x $\frac{1}{8}$ " Thick

Neoprene Pad

DETAIL "A"

4" Min.

-Traffic Railing Barrier

SHEET

NO.

