Post Spacing (See Note 1) Equal Spaces @ 10'-0"Max. (Posts may be shifted minimally to meet required clearances)


## fENCING NOTES

fence applicatlon:
This bridge fence can only be used on sidewalk installations separated from traffic by a traffic railing
FENCE INSTALLATION:
Install posts plumb (within a tolerance of $\pm 1 / 2^{\prime \prime}$ ). 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.
applicable.
CONCRETE PARAPET DETAILS:
See Index 521-820 - Pedestrian/Bicycle Bullet Railing for Concrete Parapet details. Provide fencing in lieu of aluminum bullet
railing as shown on Index 521-820.
LIMITS OF FENCING:
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 Limits of fencing are
shown in the plans.
PAYMENT:
Payment will be made under Fencing, Type R. Payment includes posts, horizontal and expansion rails, brace bands, rail ends,
combination rail ends, boulevard clamps, chain link fabric, ties tension bars and bands post and lop combination rail ends, boulevard clamps, chain link fabric, ties, tension bars and bands, post and loop caps, base plates,
anchor rods, bolts, nuts, washers, shim plates, neoprene pads, miscellaneous fence fittings and hardware and all inciden anchor rods, bolts, nuts, washers, shim plates, 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 and Pull Post Assembly Detail see Sheet 2
For Table of Post Attachment Components and Detail "A" see Sheet 3

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| STANDARD PLANS |



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PULL POST ASSEMBLY DETAIL
Bridge Deck (shown)
or Raised Sidewalk


See Note 4) $1^{1} 1^{\prime}-6^{\prime \prime}-\sqrt{2} r^{1^{\prime}-6^{\prime \prime}}-1$
$13^{3^{\prime}-0^{\prime \prime}}($ Min. $)+$ Expansion Joint Opening

$$
\underset{\text { Concrete Parapet }}{\longrightarrow}
$$

EXPANSION ASSEMBLY DETAIL

| table of Chain link fence components |  |  |
| :---: | :---: | :---: |
| COMPONENT | $\begin{array}{c\|} \text { ASTM } \\ \text { DESIGNATION } \\ \hline \end{array}$ | COMPONENT INFORMATION |
| Posts | F1083 | Galvanized Steel Pipe - 31/2" NPS, Schedule 40 Regular Grade |
| Horizontal Rails | F1083 | Galvanized Steel Pipe - 3" NPS, Schedule 40 Regular Grade |
| Expansion Rails | F1083 | Galvanized Steel Pipe - 21/2" NPS, Schedule 40 Regular Grade |
| Bolts | A307 | $1 / 4 " \emptyset \times 41 / 4$ Hex Head Bolts for Expansion Rail Connections |
| Nuts | A563 | Hex Nuts for Expansion Rail Connections |
| Washers | F436 | Flat Washers for Expansion Rail Connections |
| 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 Zinc Coated Wire, Class 26 |
| Tie Wires | F626 | Zinc Coated Steel Wire - 9 gage |
| Brace Bands | F626 | 12 Gage (Min. thickness) × 3/4" (Min. width) Steel Bands (Beveled or Heavy) |
| Tension Bars | F626 | $3 / 6^{\prime \prime}$ (Min. thickness) x 3/4" (Min. width) x Variable Height Steel Bars ~ Height $=$ Post Length along inside Post $-2^{\prime \prime}$ Max. |
| Tension Bands | F626 | 14 Gage (Min. thickness) x 3/4 ${ }^{\prime \prime}$ (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 and hardware) |

(RXPAR old an ASSEMBLY DETAIL
where total movement exceeds $6^{\prime \prime}$ )


## EXPANSION RAIL DETAIL

LEGEND: NPS = Nominal Pipe Size

| $\begin{gathered} \hline \text { LAST } \\ \text { REVISION } \\ 11 / 01 / 17 \end{gathered}$ |  | FDOT) $\begin{gathered}\text { FY 2020-21 } \\ \text { STANDARD PLANS }\end{gathered}$ | $\mathbb{B} I D G E \mathbb{F}$ | $\begin{gathered} \text { INDEX } \\ 550-011 \end{gathered}$ | SHEET <br> 2 of 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |


| TABLE OF POST ATTACHMENT COMPONENTS |  |  |
| :---: | :---: | :---: |
| COMPONENT | $\begin{gathered} \text { ASTM } \\ \text { DESIGNATION } \\ \hline \end{gathered}$ | COMPONENT INFORMATION |
| Base Plates | $\begin{gathered} \text { A36 or } \\ \text { A709 Grade } 36 \\ \hline \end{gathered}$ | 3/4" Steel R |
| Shim Plates | A36 or A709 Grade 36 or B209 Alloy $6061-T 6$ or B221 Alloy $6063-T 5$ | Plate thicknesses as required, Holes in shim plates will be 3/4" $\varnothing$ |
| Adhesive Anchor Rods | F1554 Grade 36 | Fully threaded Headless Anchor Rods $\sim 7 / 3^{\prime \prime} \varnothing \times 14 / 2^{\prime \prime}$ |
| C-I-P Anchor Rods | F1554 Grade 36 | Hex Head Anchor Rods $\sim 7 / /^{\prime \prime} \varnothing \times 141 / 2^{\prime \prime}$ |
| 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

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.
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
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.


DETAIL "A"


BASE PLATE DETAIL

CROSS REFERENCE
For location of Detail "A" see Sheet 1 .

