GENERAL NOTES

1. This fence to be used generally in urban areas.
2. For supplemental information refer to Section 550 of FDOT Standard Specifications.
3. Chain link fabric, post, truss rods, tension wire, tie wire, stretcher bars, gates and all miscellaneous fittings and hardware shall meet the requirements of AASHTO and FDOT and signify current references.
4. Fence component options:
   A. Line post options:
      (1) Galvanized steel pipe, Schedule 40 - 1½" nominal dia. zinc galvanized at the rate of 1.8 oz./ft².
      ASTM A53 Table 2 (Grade A or B). ASTM F1083, and AASHTO M111
      (2) Aluminum coated steel pipe: ASTM A53 steel, Schedule 40; 1½" nominal dia. coated at the rate of 0.40 oz./ft².
      ASTM F1083, and AASHTO M111
      (3) Aluminum alloy H-Beam - 1 ¼" x 1 ½" x 7/16" x 11/32"
      ASTM F1043 and Detail.
      (4) Steel C - 1" x 1" x 18 gauge, 1 ½" OD, zinc: AASHTO M111; OR, 0.9 oz./ft². zinc-5% aluminum-mischmetal: ASTM F1043 and Detail.
   B. Rail options:
      (1) Galvanized steel pipe, Schedule 40 - 2½" nominal dia. zinc galvanized at the rate of 1.8 oz./ft².
      ASTM A53 Table 2 (Grade A or B). ASTM F1083, and AASHTO M111
      (2) Aluminum coated steel pipe: ASTM A53 steel, Schedule 40; 2½" nominal dia. coated at the rate of 0.40 oz./ft².
      ASTM F1083, and AASHTO M111
      (3) Aluminum alloy H-Beam - 2" x 3" x 1 ¼" x 1/8"
      ASTM F1043 and Detail.
      (4) Steel C - 2" OD, 2" NPS, 2.375" dec. equiv., 0.130" min. wall
      ASTM B211, Alloy 5056 Temper H38, or, Alclad Alloy 5056 Temper H192.
      (5) Aluminum alloy pipe - 2½" nominal dia. zinc galvanized at the rate of 1.8 oz./ft².
      ASTM A53 Table X 2, ASTM F1083, and AASHTO M111.
      (6) Steel C - 2" OD, 2" NPS, 2.375" dec. equiv., 0.130" min. wall
      ASTM B211, Alloy 5056 Temper H38, or, Alclad Alloy 5056 Temper H192.
   C. Tie wire and hog ring options:
      (1) Steel wire No.9 gage zinc galvanized at the rate of 1.2 oz./ft².
      ASTM A653, Group I, Temper B.
      (2) Aluminum coated steel wire No. 7 gage coated at the rate of 0.040 oz./ft².
      ASTM F1043.
      (3) Aluminum wire with a diameter of 0.1875" or larger conforming to the requirements of ASTM F1043.
      (4) Steel wire No. 9 gage zinc galvanized at the rate of 1.2 oz./ft².
      ASTM A653, Group I, Temper B.
      (5) Aluminum coated steel wire No. 7 gage coated at the rate of 0.040 oz./ft².
      ASTM F1043.
GENERAL NOTES CONTINUED

5. Unless a specific material is called for in the plans the Contractor may elect to use either a single type of material or a combination of material types from the component options listed in note 4. Combinations of optional materials are restricted as follows:
   (a) Only one fabric optional material will be permitted between corner and/or end post assemblies.
   (b) Only one line post optional material will be permitted between corner and/or end post assemblies.
   (c) Pull post assemblies shall be optional materials identical to the line post optional material at the corner and/or end post assembly optional material; but, pull post assemblies shall be the same optional material between any set of corner and/or end post assemblies.

6. Concrete for bases shall be Class NS concrete as specified in Section 347 of the Standard Specifications or a packaged, dry material meeting the requirements of a concrete under ASTM C-387. Materials for Class NS concrete may be proportioned by volume and/or by weight.

7. Line post shall be 8'-6" long (Standard). Line post are to be set in concrete as described above or by the following methods:
   (a) In accordance with special details and as specifically described in the contract plans and specifications.
   (b) In accordance with ASTM F567 Sections 5.4 through 5.10 as approved by the Engineer.
   (c) Line post installed in accordance with Section 5.8 shall be 9'-6" long.

8. Pull post shall be used at breaks in vertical grades of 15° or more, or at approximately 350' centers except that this maximum interval may be reduced by the Engineer on curves where the curve is greater than 3°.

9. Corner post are to be installed at all horizontal breaks in fence at 15° or more and as required at vertical breaks over 15° as determined by the Engineer.

10. When fence has an installed top of fabric height less than 6' knuckled top and bottom selvages shall be used unless the plans specifically identify locations for twisted selvage fabric.

11. Unless sliding gates or special gates are called for in the plans, all gates shall be chain link swing gates meeting the material requirements described and as approved by the Engineer. Payment shall include the gates, single or double, all necessary hardware for installation and any additional length and/or for posts at the opening. Gates shall be paid for under the contract unit price for Fence Gates, EA.

12. For construction purposes corner post assemblies shall consist of one corner post, two braces, two truss rods, and all necessary fittings and hardware as detailed. End post assemblies shall consist of one end post, one brace, one truss rod and all necessary fittings and hardware as detailed.

13. In areas where there are physical constraints outside the right-of-way which restricts the fence construction, the fabric may be installed on the inside of the posts.

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### Type IV Vinyl Coated Fabric

<table>
<thead>
<tr>
<th>Specified Diameter</th>
<th>Minimum Weight</th>
<th>PVC Thickness Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M181 Class A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Extruded or Extruded And Bonded Coating)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M181 Class B</td>
</tr>
<tr>
<td>in.</td>
<td>mm</td>
<td>oz./ft²</td>
</tr>
<tr>
<td>0.148</td>
<td>3.77</td>
<td>0.30</td>
</tr>
</tbody>
</table>

### DESIGN NOTE

This index details fencing that is constructed with chain link fabric 6' (nominal) in height and with specific ground clearance. For fencing of different height or installation details, the fence shall be fully detailed in the Contract plans.
Plan (See Notes) Otherwise Called For In Restraint Side Unless Fence To Be Mounted On Post R/W Line In Plans 6" Or As Indicated In Plans

Attentions to be used only when called for in the plans. Attachments to extend in direction of restraint, unless otherwise called for in plans, direction of restraint will be as follows:

(a) Outward on limited access right of way line.
(b) Outward on controlled access right of way.
(c) Outward on highway right of way.
(d) Outward from lateral ditches, outfalls, retention basins, canals, borrow areas and similar support facilities.
(e) Outward on pedestrian ways.
The cap-arm shall be designed to provide a drive fit over the top of posts and to exclude moisture in posts with tubular sections.

Barb Wire Attachment

1. Base plate identical for line, pull, end and corner posts and shall be considered an integral part of the respective posts for basis of payment.
2. Post to be plumbed by grout shim under base plate.
3. Anchors (Galvanized Steel):
   - 12" Cast In Place, 105° Embedment
   - Headed Bolts, U-Bolts or Cluster Plates. Anchors shall be of larger diameter than the anchor bolt.
   - Expansion Bolts Not Permitted.

Base Plate and Anchor Notes:

Four Anchor Plate Option

Two Anchor Plate Option

Fence Mounting On Concrete Endwall And Retaining Walls