This fence to be used generally in urban areas.

For supplemental information refer to Section 560 of FDOT Standard Specifications.

GENERAL NOTES

1. This fence to be used generally in urban areas.

2. Chain link fabric, post, truss rods, tension wires, tie wires, stretcher bars, gates and all miscellaneous fittings and hardware shall meet the requirements of AASHTO and ASTM as per current reference.

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. with ASTM A53 Table 3 (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 0.9 oz./ft²; AASHTO M111.
(3) Galvanized steel pipe, Schedule 40-2" nominal dia.: AASHTO M111.

B. Corner or end post options:
(1) Galvanized steel pipe, Schedule 40-2" nominal dia. zinc galvanized at the rate of 1.8 oz./ft². with ASTM A53 Table 3 (Grade A or B), ASTM F1083, and AASHTO M111.
(2) Aluminum coated steel pipe: ASTM A53 steel, Schedule 40-2" nominal dia., coated at the rate of 0.9 oz./ft²; AASHTO M111.
(3) Aluminum alloy pipe-2½" nominal dia.: ASTM B241 or B221, Alloy 6063, T6.

C. Rail options:
(1) Galvanized steel pipe, Schedule 40-1½" nominal dia. zinc galvanized at the rate of 1.8 oz./ft². with ASTM A53 Table 3 (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 0.9 oz./ft²; AASHTO M111.
(3) Aluminum alloy pipe-1½" nominal dia.: ASTM B241 or B221, Alloy 6063, T6.
(4) Resistance welded steel pipe: 50,000 psi min. yield strength ASTM A569/A569M, A653/A653M or uncoated stock of discontinuous coated steel base materials, ASTM F1899 Group IV (Alternative Design): fence industry 1½" OD, 1½" NPS, 1.660" dec. equiv., 0.111" min. wall thick., and with wt. 1.860 lb./ft.; with ASTM F1043 metric equivalent internal coating Types A, B, C or D and external coating Types A, B, C or D.

D. Chain link fabric options (2" mesh with twisted and barbed selvage top and bottom for all options except as described in Note No. 10):
(1) AASHTO M181 Type I - Zinc Coated Steel, No. 9 gage (coated wire diameter), coated at the rate of 1.8 oz./ft². (M181 Class D 2½ oz./ft². modified to 1.8 oz./ft².).
(2) AASHTO M181 Type II - Aluminum Coated Steel, No. 9 gage (coated wire diameter), coated at the rate of 0.40 oz./ft².
(3) AASHTO M181 Type IV - Polyvinyl Chloride (PVC) Coated Steel, No. 9 gage (coated wire diameter), coated at the rate of 0.40 oz./ft².

E. Tension wire options:
(1) Steel wire No. 9 gage (coated wire diameter), coated at the rate of 0.40 oz./ft². AASHTO M181.
(2) Steel wire No. 9 gage (coated wire diameter), coated at the rate of 1.8 oz./ft². AASHTO M181.
(3) Steel wire No. 9 gage (coated wire diameter), coated at the rate of 0.40 oz./ft². AASHTO M181.

F. Tie wire and hog ring options:
(1) Steel wire No. 9 gage (coated wire diameter), coated at the rate of 1.2 oz./ft². AASHTO M181.
(2) Steel wire No. 9 gage (coated wire diameter), coated at the rate of 1.34 oz./ft². AASHTO M181.
(3) Aluminum coated steel wire No. 9 gage (coated wire diameter), coated at the rate of 0.40 oz./ft². AASHTO M181.
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 either the linepost optional material or the corner and end post assembly optional material; 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. For fencing of different height or installation details, the fence shall be fully detailed height and with specific ground clearance.

7. Line post shall be 7'-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/or as specifically described in the contract plans and specifications.
   (b) In accordance with ASTM F567 Subsections 5.4 through 5.10 as approved by the Engineer.
   (c) In accordance with ASTM F567 Subsection 5.5.

8. Pull post shall be used at breaks in vertical grades of 15° or more, or at approximately 350' centers except that the 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 fabrics.

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 size 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. All post, tension wires, chain link fabric, tie wires, Class NS concrete, and all miscellaneous fittings and hardware to be included in the cost for Fencing, LF.
### Standard Wall

**Description:**
- **Fence Type:** B
- **Revision:** 07/01/09
- **Index No.:** 802
- **Sheet No.:** 3 of 3

**Planes (See Notes)**
- Otherwise Called For In
- Restraint Side Unless
- Fence To Be Mounted On
- Post
- R/W Line
- In Plans
- 6" Or As Indicated
- Wire Fabric
- 0.562" R Typ.

**Design Standards FDOT 2014**

- **Yield:** 45,000 PSI
- **Galv. Wt. Per. Ft.:** 2.34# ±5%

** alanı 60 (ASTM A36) Galvanized or Aluminum W. Q Alloy 6061-T6

**Base Plate and Anchor Notes:**
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" Cost In Place, 100" Embedment:**
   - **Headed Bolts, U-Bolts or Cluster Plates.**
   - **Adhesive Anchors, Headless Anchors:**
   - **Adhesive anchors shall be headless anchor bolts set in drilled holes with an Adhesive Material System in accordance with Specification Sections 416 and 937; drilled holes shall be larger in diameter than the anchor bolt.**
   - **Expansion Bolts Not Permitted.**

**Barb Wire Attachment**

**Top View Four Anchor Plate Option**

**Top View Two Anchor Plate Option**

**Notes:**
- Attachments 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 line.
  - (c) Outward from utilities and hazardous facilities located within highway right of way.
  - (d) Outward from street ditches, storm sewers, detention basins, canals, borrow areas and similar support facilities.
  - (e) Toward 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.

**Steel W. Q (ASTM A36) Galvanized or Aluminum W. Q Alloy 6061-T6**

**Steel W. Q (ASTM A36) Galvanized or Aluminum W. Q Alloy 6061-T6**

**Dimensions:**
- **Post-facing Wall:** 2.4" x 2.4" x 0.121"
- **Post-facing Endwall:** 2.4" x 2.4" x 0.105"