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

2. For supplemental information refer to Section 550 of FDOT Standard Specifications.

3. Chain link fabric, post, true rods, tension wires, tie wires, strainer bars, gates and all miscellaneous fittings and hardware shall meet the requirements of AASHTO and ASTM signify current reference.

4. Fence Component Options:
   A. Line post options:
      (1) Galvanized steel pipe, Schedule 40 - 15/8" nominal dia., zinc galvanized at the rate of 1.8 oz./ft²: ASTM A53 Table B (Grade A or B), ASTM F1083, and AASHTO M111.
      (2) Aluminum coated steel pipe: ASTM A53, Table 2 (Grade A or B), Schedule 40 - 15/8" nominal dia., 1.990 OD, coated at the rate 0.40 oz./ft². AASHTO M111.
      (3) Aluminum alloy pipe - 2" nominal dia., ASTM B211 or B221, Alloy 6063, T6.
      (4) Steel H-beam - 1/2" x 1/2" x 1/8" x 1/16" x 1/32". ASTM A500, and Detail.
   B. Corner, end, and pull post options:
      (1) Galvanized steel pipe, Schedule 40 - 1 1/4" nominal dia., zinc galvanized at the rate of 1.8 oz./ft²: ASTM A53 Table B (Grade A or B), ASTM F1083, and AASHTO M111.
      (2) Aluminum coated steel pipe: ASTM A53, Table 2 (Grade A or B), Schedule 40 - 1 1/4" nominal dia., 1.990 OD, coated at the rate 0.40 oz./ft². AASHTO M111.
      (3) Aluminum alloy pipe - 2" nominal dia., ASTM B211 or B221, Alloy 6063, T6.
      (4) Steel C - 1/8" x 1/8" x 1/4" x 1/4" x 1/8". ASTM A500, and Detail.
      (5) Aluminum alloy pipe - 1/8" x 1/8" x 1/4" x 1/4" x 1/8". ASTM B211, or B221, Alloy 6063, T6.
   C. Rail options:
      (1) Galvanized steel pipe, Schedule 40 - 15/8" 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, Table 2 (Grade A or B), Schedule 40 - 15/8" nominal dia., 1.990 OD, coated at the rate 0.40 oz./ft². AASHTO M111.
      (3) Aluminum alloy pipe - 2" nominal dia., ASTM B211 or B221, Alloy 6063, T6.
      (4) Resistance welded steel pipe, 50,000 psi min. yield strength ASTM A653/653M, or unalloyed stock of discontinued A446/A446M base materials: ASTM A586 Group 19 (10th Design); ASTM A586 Group 20 (11th Design); ASTM A586 Group 21 (12th Design) and detail.
   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. 7 gage (coated core wire diameter), coated at the rate of 0.40 oz./ft². AASHTO M181.
      (2) AASHTO M181 Type II - Aluminum Coated Steel, No. 7 gage (coated wire diameter), coated at the rate of 0.40 oz./ft². AASHTO M181.
      (3) AASHTO M181 Type IV - Polyvinyl Chloride (PVC) Coated Steel, No. 9 gauge (coated core wire diameter), coated at the rate of 0.40 oz./ft². AASHTO M181.
      (4) AASHTO M181 Type V - Polyvinyl Chloride (PVC) Coated Steel, No. 9 gauge (coated core wire diameter), core wire-zinc coated steel. PVC coating: AASHTO Class A (either extruded or extruded and bonded or Class B (bonded). See table right. Unless the plans call for M181 standard colors medium green, dark green or black the coating color shall be soft gray matching that of No. 30632 of Federal Standard 595a.
   E. Tension wire options:
      (1) Steel wire No. 7 gage zinc galvanized at the rate of 1.2 oz./ft². AASHTO M181.
      (2) Steel wire with a diameter of 0.187" or larger conforming to the requirements of ASTM F221, Alloy 5056 Temper H38, or, Alclad Alloy 5056 Temper H192.
      (3) Aluminum coated steel wire No. 7 gage coated at the rate of 0.40 oz./ft². AASHTO M181.
   F. Tie wire and hog ring options:
      (1) Steel wire No. 6 gage zinc galvanized at the rate of 1.2 oz./ft². AASHTO M181.
      (2) Steel wire with a diameter of 0.144" or larger conforming to the requirements of ASTM F221, Alloy 5056 Temper H38, or, Alclad Alloy 5056 Temper H192.
      (3) Aluminum coated steel wire No. 7 gage 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 line post optional material or the corner and 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 pre-mixed, 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 to be set in concrete as described above or by the following methods:
(a) In accordance with special details 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 3.8 shall be 9'-6" long.
(d) Post mounted on concrete structure or solid rock shall be mounted in accordance with the base plate detail "Fence Mounting On Concrete Endwalls and Retaining Wall", Sheet 3; or, by embedment in accordance with ASTM F567 Subsection 5.5.

End, pull and corner post assemblies shall be in concrete as detailed above for all soil conditions other than solid rock. Post within assemblies that are located on concrete structures or solid rock shall be set by base plate or by embedment as prescribed under (b) above for line posts.

Line and assembly posts for 6' fence which must be lengthened due to a variation in the normal ground clearance, shall be set an additional 3' in depth for each 3' of additional ground clearance.

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 area 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 gate, 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. 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.

<table>
<thead>
<tr>
<th>SPECIFIED DIAMETER OF METALLIC COATED CORE WIRE</th>
<th>PVC THICKNESS RANGE</th>
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<tbody>
<tr>
<td>in.</td>
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<td>3.77</td>
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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.
**STANDARD WALL**

**THINWALL**

**OPTIONAL "C" LINE POST**

**FENCE POSITION AT LOCATIONS WITHOUT FRONTAGE ROADS**

(REFER TO DETAIL PLANS FOR FENCE POSITION AT LOCATIONS WITH FRONTAGE ROADS)

**NOTES**

Attentions to be used only when called for in the plans.

**BARB WIRE ATTACHMENT**

1. Base plate identical for line, pull, end and corner posts and shall be considered an integral part of the respective post for basis of payment.

2. Post to be plumbed by grout shim under base plate.

3. Anchors (Galvanized Steel):
   - 12" Cast in Place, 100% Embedment:
     - Headed Bolts, U-Bolts or Cluster Plates.
   - Embedment:
     - Adhesive Anchors, 8" Min. Embedment.

Expansion Bolts Not Permitted.

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**FENCE MOUNTING ON CONCRETE ENDWALL AND RETAINING WALLS**

**FOOT SCHEDULE**

**INDEX**

**Sheet 550-002**

**3 of 3**

**FY 2018-19**

**STANDARD PLANS**

**FENCE TYPE B**