1. This fence to be provided generally in rural areas. For supplemental information see Section 550 of the FDOT Specifications.

2. Fabric shall be woven wire, with the requirements of ASTM A641, 9 gage, Galvanized Steel Wire, Grade 15, with Class 3 coating (soft temper) in accordance with ASTM A641. (Typical)

3. Fences shall be installed with wire side to private property except on horizontal curves greater than 3° the fence shall be braced as to be built against posts.

4. Posts may be either timber, steel, or recycled plastic or concrete. A specific post material is required in the plans. The Contractor may use either a single material or combination of timber, steel, recycled plastic or concrete materials. Line posts of one material may be used with corner, pull, and end post assemblies of a different material. Line posts of one optional material and pull post assemblies of only one optional material will be permitted between corner and end post assemblies. Where individual corner and end post assemblies only one optional material will be permitted.

5. Timber posts shall meet the material requirements of Specification Section 510. Timber posts are to be minimum 4" diameter. Timber corner, pull, approach, and end posts are to be a minimum 5" diameter. Timber braces are to be minimum 4" diameter.

6. Steel posts and braces shall be standard steel posts, galvanized to the rate of 1.8 oz./ft² in accordance with the FDOT Specifications. These shall be standard steel posts, Class 3 coating, soft temper, in accordance with ASTM A641. (Typical)

7. Recycled plastic posts shall meet the material requirements of Specification Section 770 and one of the products included in the Qualifying Products List earned at the time of bid. Line posts shall be minimum 4" in diameter. Posts shall be set in concrete as per Section 770.1. (Also see Note No. 4)

8. The Contractor, at his option, may use any size post or precast concrete posts however, approved by the Engineer, of posts not shown on this Index, will be required prior to demolition of the fence. Preformed posts shall be Class 3 concrete. Preformed posts are to be a minimum 5" in diameter. (Also see Note No. 4)

9. approach: 2 1/2 " x 2 1/2 " x 1/4 " angles, 8' long; fabricated for attaching brace; with necessary hardware and wire clamps and meeting the following requirements:

10. Wire may be either timber, steel, or recycled plastic or concrete. A specific wire material is required in the plans. The Contractor may use either single material or combination of timber, steel, recycled plastic, or concrete materials. The maximum length of wire may be installed as a unit. For pulls through a pull post assembly, the fabric shall be spliced by crimping sleeves only. Pulls through a corner post assembly will not be permitted.

11. All posts, braces, tension wires, fabric, tie wires, Class 3 coating concrete, and all miscellaneous fittings and hardware. Corner post assemblies shall consist of: one corner post, two approach posts, four braces, eight diagonal tension wires and all necessary fittings and hardware.

12. Pull post assemblies shall consist of: one pull post, two braces, four diagonal tension wires and all necessary fittings and hardware. Tension wires shall be 0.120" diameter, Class 5 coating, in accordance with ASTM A641. (Typical)

13. The woven wire shall be attached to steel and concrete posts by a minimum of five tie wires. The single tie wire has shall be placed at the top, bottom, and three intermittent tie wires. The tops of each tie wire post have a minimum of two tie wires, one intermittent and one continuous wire. Tie wires shall be steel wire not less than 0.035" diameter, Class 3 coating, in accordance with ASTM A641.

14. Approach post assemblies shall consist of: one approach post, one bracing; with necessary fittings and wire clamps and meeting the following requirements:

15. Concrete bases for angular steel posts (pull, corner, end and approach) shall be Class 3 as specified in Section 530. Materials for Class 3 concrete may be proportioned by volume and/or weight.

16. Pull post assemblies shall be installed at approximately 300° corners. These maximum length of wire may be installed as a unit. For pulls through a corner post assembly, the fabric shall be spliced by crimping sleeves only. Pulls through a corner post assembly will not be permitted.

17. Pull post assemblies shall be to be installed at all horizontal and vertical breaks in fences of 15° or more.

18. A maximum length of 1320' of wire may be installed as a unit. For pulls through a pull post assembly, the fabric shall be spliced by crimping sleeves only. Pulls through a corner post assembly will not be permitted.

19. Uniforms otherwise called for are to be provided by the Engineer on surveys where the wire is less than 3'.

20. Corner post assemblies are to be installed at all horizontal and vertical breaks in fences of 15° or more.

21. A maximum length of 1320' of wire may be installed as a unit. For pulls through a pull post assembly, the fabric shall be spliced by crimping sleeves only. Pulls through a corner post assembly will not be permitted.

Fence Position at locations Without Frontage Roads

(Retrieve details plans for Fence Position at Locations with Frontage Roads.)

DESIGN NOTE

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POST No. 7 Gage Galv. Metal Strap, 4" Brace Carriage Bolt
No. 7 Gage Galv. Metal Strap Wide Brace
BRACE TO BRACE AT CORNER
BRACE TO BRACE ON LINE
FASTENER FOR CONCRETE POST AND BRACES

FASTENER FOR TIMBER POST AND BRACE

CORNER POSTS  END AND PULL POSTS
Each horizontal wire to be wrapped around corner, end and pull posts and tied to same wire. See General Notes 5 and 17. Timber post illustrations. These methods also apply to steel and concrete post illustrations.

SPICES

PRESTRESSED POST

PRESTRESSED BRACE

CONCRETE BASE FOR ANGULAR STEEL POST

PRECAST POST

PRECAST BRACE

ALTERNATE CONCRETE POSTS AND BRACES