

Indexes 550-001 through 550-004 Fencing

Design Criteria

ASTM International Standards, AASHTO Standard Specifications for Transportation Materials (M Series), FDOT Design Manual (FDM)

Design Assumptions and Limitations

When placing fencing, ensure that all geometry requirements are met per the Standard Plans drawings and that the fences shown will fit with project constraints and other aboveground obstructions. Avoid conflicts between foundations, utilities, and other underground obstructions. Provide for setbacks to the right-of-way line as shown in ***Indexes 550-001 & 550-002***. Align fencing with roadside features in accordance with ***Index 550-004***. For additional design information, see ***FDM 211, 222, and 224***.

Type A fence to be provided generally in rural areas.

Type B fence to be provided generally in urban areas.

Only use Type B Fence, per Index 550-002, on Turnpike projects.

Index 550-001 details Type A 5' Farm Fence that is constructed with farm fabric 46 ½" (47" nominal) in height and with specific ground clearance and specific barbed wire spacings. For fencing of different height or installation details, the fence is to be fully detailed in the Contract plans.

Index 550-002 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 is to be fully detailed in the Contract plans.

Barb wire attachment for Type B fence to be used only when called for in the Plans. Attachment to extend in direction of restraint unless otherwise specified.

Plan Content Requirements

For the Plans sheets listed, show the standard fencing system as described below.

A. Plan Views:

Identify proposed fencing locations with corresponding line types. Label the standard fence type along with the station & offset of beginning posts, corner posts, and end posts.

For Type A 5' Farm Fence, specify use of aluminum post, braces, and accessory framing hardware if they are to be incorporated. Also, specify type of gate if not using one that is commercially available.

B. Typical Sections and Cross Sections:

Show a scaled representation of the fence post at the design elevation and offset. For locations near underground utilities and obstructions, show the fence's standard

foundation to scale. Label the standard fence type in the Typical Section. See **FDM 913** for Typical Section examples showing fence callouts.

- C. Summary of Fencing Table: Provide a completed summary table in accordance with the **Basis of Estimates Manual (BOE)**, Chapter 8.

Payment

Item number	Item Description	Unit Measure
550-10-ABC	Fencing	LF
550-60-ABC	Gates	EA

See the **BOE** and **Specification 550** for additional information on payment, Pay Item use, and compensation.