

1450000 GEOSYNTHETIC REINFORCEMENT
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Rick Jenkins
414-4355
rick.jenkins@dot.state.fl.us

Comment: (7-3-14)

During a review of Spec 145, I noticed that the Geosynthetic Materials reference the Standard Index 501 list of materials. The new 2015 Standard Index 501 does not have the list of materials any longer so this reference will need to change.

Response: (From the Specs Office) You are correct. Reference has been changed to Section 985, as the materials were moved to that section.
Change made.

Debbie Toole
414-4114
deborah.toole@dot.state.fl.us

Comment: (7-3-14)

1. 145-2 Responsibility.

Suggest the following revisions in the 1st paragraph:

145-2 Responsibility.
→ Construct the geosynthetic reinforced feature, including materials, method, and installation based on information provided in the Contract Documents and the geosynthetic supplier's recommendations. Provide shop drawings depicting the details and distribution of the selected geosynthetics which are required to meet the design shown in the Plans *and Design Standards, Index No. 501* and in accordance with the requirements contained in the Department's Plans Preparation Manual (PPM) *and Design Standards, Index No. 501* for these items. Alternate designs optimizing the selected geosynthetic materials may be submitted.

Response:

2. 145-3.1 Geosynthetic Materials (first paragraph):

Suggest the following revisions:

→ **145-3.1 Geosynthetic Materials:** Use primary and secondary reinforcing elements consisting of a regular array of tensile elements that have sufficient reinforcement strength to perform the prime functions of reinforcement materials meeting the requirements of Section 985 and which are listed on *Design Standards, Index No. 501 the Approved Product List (APL)*.

2a. Text "primary and secondary.....of reinforcement" is direction to the manufacturer and in appropriately stated in Section 985 Geotextile Fabrics (to be renamed Geosynthetic Materials).

Response:

2b. Materials are no longer listed in Index 501. For the 1-15 eBook, materials will be required to be listed on the APL and acceptance requirements will be included in Section 985.

Response:

3. 145-5 Certification.

Suggest the following revisions:

145-5 Certification.

→

Furnish certification from the ~~supplier~~ *manufacturer*, at least ten days prior to placement, that the products used are the same products listed on ~~Design Standards, Index No. 501~~ *the APL*, are in accordance with the project design requirements and is recommended by the supplier for use at this location.

→

Acceptance of furnished material will be based on the supplier's certification and visual inspection by the Engineer.

Response:

Shailesh Patel
shailesh.patel@dot.state.fl.us

Comment: (7-11-14)

Proposed change for as 145-6.3.1.1 Optional Acceptance Criteria for A-3 and A-2-4 Materials reads: “Obtain a minimum density of 100 of the maximum dry density” and **should read** “Obtain a minimum density of 100% of the maximum dry density”.

Response: (From the Specs Office) Agree. This has been corrected.
