



*Florida Department of Transportation*

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GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

September 24, 2024

Cathy Kendall  
Director, Office of Technical Services  
Federal Highway Administration  
3500 Financial Plaza, Suite 400  
Tallahassee, Florida 32312

Re: State Specifications Office  
Section: 145  
Proposed Specification: **1450601 Geosynthetic Reinforcement**

Dear Ms. Kendall:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Dino Jameson to fix the 120 references made in 145 specifications. This was due to 120 section revisions to numbering and relocating language within. Furthermore, initial production LOT is no longer in 120, therefore, it is being removed from 145.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.  
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

## GEOSYNTHETIC REINFORCEMENT (REV 8-13-24)

SUBARTICLE 145-6.1.2 is deleted and the following substituted:

~~145-6.1.2 Initial Production LOT: Meet the requirements of 120-10.1.2 except as modified herein.~~

**145-6.1.23 Density over 105%:** Meet the requirements of 120-10.1.23 except as modified herein.

SUBARTICLE 145-6.1.3 is deleted.

SUBARTICLE 145-6.2.1.4 is deleted and the following substituted:

**145-6.2.1.4 Density Testing Requirements:** Meet the requirements of 120-10.2.21-4.2 except as modified herein. For select backfill, obtain a density in each LOT of at least 95% of the maximum density as determined by FM 1-T180.

Alternatively, for A-3 and A-2-4 backfill materials, obtain a minimum density of 100% of the standard Proctor maximum dry density as determined by FM 1-T099.

The combined width from both reinforced fill volume and retained fill material may be considered the same LOT if both volumes comprise the same material and both are compacted with the same procedure, lift thickness, equipment, and compacting effort.

SUBARTICLE 145-6.3 is deleted and the following substituted:

**145-6.3 Department Verification:** Meet the requirements of 120-10.31-5 except that the Engineer will conduct Verification tests to accept all materials and work associated with 145-6.2.

SUBARTICLE 145-6.4 is deleted and the following substituted:

**145-6.4 Payment for Resolution Tests:** Meet the requirements of 120-10.51-7.

SUBARTICLE 145-7.1.1 is deleted and the following substituted:

**145-7.1.1 Maximum Density Determination:** The Engineer will verify the QC test results in accordance with the procedures specified in 120-10.64.1 except replace FM 1-T099 with FM 1-T180. If the Contractor selects the optional acceptance criteria, the Engineer will verify the QC test results of FM 1-T099 in accordance with 120-10.64.1.

SUBARTICLE 145-7.1.2 is deleted and the following substituted:

**145-7.1.2 Density Testing:** Meet the requirements of 120-10.64.2.

## **GEOSYNTHETIC REINFORCEMENT (REV 8-13-24)**

SUBARTICLE 145-6.1.2 is deleted and the following substituted:

**145-6.1.2 Density over 105%:** Meet the requirements of 120-10.1.2 except as modified herein.

SUBARTICLE 145-6.1.3 is deleted.

SUBARTICLE 145-6.2.1.4 is deleted and the following substituted:

**145-6.2.1.4 Density Testing Requirements:** Meet the requirements of 120-10.2.2 except as modified herein. For select backfill, obtain a density in each LOT of at least 95% of the maximum density as determined by FM 1-T180.

Alternatively, for A-3 and A-2-4 backfill materials, obtain a minimum density of 100% of the standard Proctor maximum dry density as determined by FM 1-T099.

The combined width from both reinforced fill volume and retained fill material may be considered the same LOT if both volumes comprise the same material and both are compacted with the same procedure, lift thickness, equipment, and compacting effort.

SUBARTICLE 145-6.3 is deleted and the following substituted:

**145-6.3 Department Verification:** Meet the requirements of 120-10.3 except that the Engineer will conduct Verification tests to accept all materials and work associated with 145-6.2.

SUBARTICLE 145-6.4 is deleted and the following substituted:

**145-6.4 Payment for Resolution Tests:** Meet the requirements of 120-10.5.

SUBARTICLE 145-7.1.1 is deleted and the following substituted:

**145-7.1.1 Maximum Density Determination:** The Engineer will verify the QC test results in accordance with the procedures specified in 120-10.6.1 except replace FM 1-T099 with FM 1-T180. If the Contractor selects the optional acceptance criteria, the Engineer will verify the QC test results of FM 1-T099 in accordance with 120-10.6.1.

SUBARTICLE 145-7.1.2 is deleted and the following substituted:

**145-7.1.2 Density Testing:** Meet the requirements of 120-10.6.2.