



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

July 24, 2013

Monica Gourdine
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section **162**

Proposed Specification: **1620500 Prepared Soil Layer.** **REVISED**

Dear Ms. Gourdine:

We are resubmitting, for your approval, two copies of the above referenced Supplemental Specification. Changes from the original submittal are highlighted.

These changes were proposed by Howie Moseley, D2 Materials Pavement Engineer, to clarify language relating to LOT size and sampling and testing requirements and procedures.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965DS or daniel.scheer@dot.state.fl.us.

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

Sincerely,

Signature on file

Daniel Scheer, P.E.
State Specifications Engineer

DS/dt

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

PREPARED SOIL LAYER.**(REV ~~4-23-13~~-24-13)**

ARTICLE 162-5 (Page 199) is deleted and the following substituted:

162-5 Acceptance Testing.

The Engineer reserves the right to waive or reduce testing requirements for shoulder treatment projects as defined in the Design Standards, Index No. 105.

Immediately after completion of construction operations, sample and test the prepared soil layer at a testing laboratory qualified under ~~6-9105-6~~. **A LOT is defined as 0.5 shoulder miles.** Take random **quality control (QC)** samples at a minimum of one sample per ~~2,500 square yards~~ **LOT** of prepared surface. When the source of added material changes, the Engineer will require an additional sample. ~~Test results will be averaged for each 10,000 square yards~~ **Average four sequential LOTs representing 2.0 shoulder miles** to determine ~~specification~~ **compliance with Section 987. Raise the organic matter content of any individual LOT with an organic matter content below 1.5% to at least 1.5%. The Engineer will take a Verification sample at a minimum frequency of one sample per 4 LOTs. If the Verification sample fails (below 1.5% for organics), but the QC sample taken in the corresponding LOT passes, the Engineer will obtain a resolution sample within the same LOT to resolve the non comparison.** The Engineer reserves the right to take and test additional samples to determine specification compliance. For failing samples, take and test additional samples, as directed by the Engineer, to delineate areas that need re-treatment. Perform re-treatment at no additional cost to the Department. Perform additional testing of retreated areas, at locations directed by the Engineer, to determine specification compliance. Provide copies of all test results to the Engineer.

162-5.1 Finish Soil Layer: Test sampled material for organic matter content, pH, primary macronutrients (N, P K) and secondary macronutrients (S, Ca, Mg) content. Acquire from the soil testing laboratory fertilizer recommendations for the specific plants to be grown in the area. Do not seed, seed and mulch, or place sod until acceptable values for organic content and pH are obtained in accordance with the requirements of 987-1.

162-5.2 Organic Soil Layer: Test sampled material for organic matter content in accordance with the requirements of 987-1.

162-5.3 Blanket Material: Test blanket material for depth in accordance with the Plans and for soil classification in accordance with AASHTO M145. Add materials as necessary to achieve the required depth.

**PREPARED SOIL LAYER.
(REV 4-23-13)**

ARTICLE 162-5 (Page 199) is deleted and the following substituted:

162-5 Acceptance Testing.

The Engineer reserves the right to waive or reduce testing requirements for shoulder treatment projects as defined in the Design Standards, Index No. 105.

Immediately after completion of construction operations, sample and test the prepared soil layer at a testing laboratory qualified under 105-6. A LOT is defined as 0.5 shoulder miles. Take random quality control (QC) samples at a minimum of one sample per LOT of prepared surface. When the source of added material changes, the Engineer will require an additional sample. Average four sequential LOTs representing 2.0 shoulder miles to determine compliance with Section 987. Raise the organic matter content of any individual LOT with an organic matter content below 1.5% to at least 1.5%. The Engineer will take a Verification sample at a minimum frequency of one sample per 4 LOTs. If the Verification sample fails (below 1.5% for organics), but the QC sample taken in the corresponding LOT passes, the Engineer will obtain a resolution sample within the same LOT to resolve the non comparison. The Engineer reserves the right to take and test additional samples to determine specification compliance. For failing samples, take and test additional samples, as directed by the Engineer, to delineate areas that need re-treatment. Perform re-treatment at no additional cost to the Department. Perform additional testing of retreated areas, at locations directed by the Engineer, to determine specification compliance. Provide copies of all test results to the Engineer.

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162-5.3 Blanket Material: Test blanket material for depth in accordance with the Plans and for soil classification in accordance with AASHTO M145. Add materials as necessary to achieve the required depth.