



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

June 25, 2004

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
545 John Knox Road
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 120
Proposed Specification: 1250009.D01 – Acceptance Program

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Acceptance Program.

This change was proposed by John Shoucair of the State Materials Office to add Modified Proctor to all references of maximum density throughout the Section.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/sh

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

ACCEPTANCE PROGRAM.
(REV 5-14-046-25-04)

ARTICLE 125-9 (Pages 172 and 173) is deleted and the following substituted:

125-9 Acceptance Program.

125-9.1 General Requirements: Meet the requirements of 120-10.1, except replace the requirements of 120-10.2 with 125-9.2

125-9.2 Acceptance Criteria:

125-9.2.1 Density: Obtain a minimum Quality Control (QC) density in any LOT of 100% of the ~~sStandard~~ ~~pProctor~~ maximum density as determined by AASHTO T 99, Method C, or the requirements of 125-8.3.3.1 when applicable. For metal and plastic pipe, compact the backfill in the cover zone to a density of at least 95% of the ~~sStandard~~ ~~pProctor~~ maximum density as determined by AASHTO T 99, Method C.

125-9.2.2 Exceptions to Pipe Density Requirements: Compact the backfill to a firmness approximately equal to that of the soil next to the pipe trench in locations outside the plane described by a two (horizontal) to one (vertical) slope downward from the roadway shoulder line or the back of curb as applicable. Apply 120-9.2.1 when compacting side-drain pipe backfill under driveways serving a property that is not a single residential lot.

125-9.3 Additional Requirements:

125-9.3.1 Frequency: Conduct QC ~~sStandard~~ ~~pProctor~~ maximum density sampling and testing at a minimum frequency of one test per soil type. The Verification test will be at a minimum of one test per soil type:

Test Name	Quality Control	Verification
Standard Proctor Maximum Density	One per soil type	One per soil type
Density	One per LOT	One per four LOTs and <i>for wet conditions</i> , the first lift not affected by water
Soil Classification	One per sStandard pProctor maximum density	One per sStandard pProctor maximum density

SUBARTICLE 125-10.1 (Page 173) is deleted and the following substituted:

125-10 Verification Comparison Criteria and Resolution Procedures:

125-10.1 ~~Standard Proctor~~ Maximum Density Determination: The Engineer will verify the Quality Control results if the results compare within 4.5 PCF [72 kg/m³] of the Verification test result. Otherwise, the Engineer will take one additional sample of material from the soil type in question. The State Materials Office or an AASHTO accredited laboratory designated by the State Materials Office will perform Resolution testing. The material will be sampled and tested in accordance with AASHTO T 99, Method C.

The Engineer will compare the Resolution test result with the Quality Control test results. If ~~at~~*the* Resolution test result is within 4.5 PCF [72 kg/m³] of the corresponding Quality Control test results, the Engineer will use the Quality Control test results for material acceptance purposes for each LOT with that soil type. If the Resolution Test result is not within 4.5 PCF [72 kg/m³] of the Contractor's Quality Control test, the Verification Test result will be used for material acceptance purposes.

ARTICLE 125-10 (Page 173) is expanded by the following new Subarticle:

125-10.3 Soil Classification: Meet the requirements of 120-10.4.3.

**ACCEPTANCE PROGRAM.
(REV 6-25-04)**

ARTICLE 125-9 (Pages 172 and 173) is deleted and the following substituted:

125-9 Acceptance Program.

125-9.1 General Requirements: Meet the requirements of 120-10.1, except replace the requirements of 120-10.2 with 125-9.2

125-9.2 Acceptance Criteria:

125-9.2.1 Density: Obtain a minimum Quality Control (QC) density in any LOT of 100% of the Standard Proctor maximum density as determined by AASHTO T 99, Method C, or the requirements of 125-8.3.3.1 when applicable. For metal and plastic pipe, compact the backfill in the cover zone to a density of at least 95% of the Standard Proctor maximum density as determined by AASHTO T 99, Method C.

125-9.2.2 Exceptions to Pipe Density Requirements: Compact the backfill to a firmness approximately equal to that of the soil next to the pipe trench in locations outside the plane described by a two (horizontal) to one (vertical) slope downward from the roadway shoulder line or the back of curb as applicable. Apply 120-9.2.1 when compacting side-drain pipe backfill under driveways serving a property that is not a single residential lot.

125-9.3 Additional Requirements:

125-9.3.1 Frequency: Conduct QC Standard Proctor maximum density sampling and testing at a minimum frequency of one test per soil type. The Verification test will be at a minimum of one test per soil type:

Test Name	Quality Control	Verification
Standard Proctor Maximum Density	One per soil type	One per soil type
Density	One per LOT	One per four LOTs and for wet conditions, the first lift not affected by water
Soil Classification	One per Standard Proctor maximum density	One per Standard Proctor maximum density

SUBARTICLE 125-10.1 (Page 173) is deleted and the following substituted:

125-10 Verification Comparison Criteria and Resolution Procedures:

125-10.1 Standard Proctor Maximum Density Determination: The Engineer will verify the Quality Control results if the results compare within 4.5 PCF [72 kg/m³] of the Verification test result. Otherwise, the Engineer will take one additional sample of material from the soil type in question. The State Materials Office or an AASHTO accredited laboratory designated by the State Materials Office will perform Resolution testing. The material will be sampled and tested in accordance with AASHTO T 99, Method C.

The Engineer will compare the Resolution test result with the Quality Control test results. If the Resolution test result is within 4.5 PCF [72 kg/m³] of the corresponding Quality Control test results, the Engineer will use the Quality Control test results for material acceptance purposes for each LOT with that soil type. If the Resolution Test result is not within 4.5 PCF [72 kg/m³] of the Contractor's Quality Control test, the Verification Test result will be used for material acceptance purposes.

ARTICLE 125-10 (Page 173) is expanded by the following new Subarticle:

125-10.3 Soil Classification: Meet the requirements of 120-10.4.3.