

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

(The person who receives or originates the issue and needs to forward the issue for action.)

Specification: Section 160

Subject: Section 160-3.2 – Application of Stabilizing Material :

Origination date: April 25, 2010

Originator: Tom O. Malerk

Office/Phone: 352-955-6600

Problem statement: Research indicates a maximum 3 inch layer of Reclaimed Asphalt Pavement (RAP) should be allowed in the subgrade layer to avoid the potential for long term settlement of the roadway.

Proposed solution: Revise Section 160-3.2 to specify a maximum allowable amount of RAP.

Information source: Contact Ben Watson (State Materials Office) 352-955-2935 with any questions.

Recommended Usage Note: All Jobs

Estimated fiscal impact, if implemented: none

Implementation of these changes, if and when approved, will begin with the January 2011 letting.



Florida Department of Transportation

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M E M O R A N D U M

DATE: June 2, 2010
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: 1600302 Stabilizing

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Ben Watson of the State Materials Office to specify a maximum allowable thickness for RAP used in the roadway subgrade layer.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at ST986RP or rudy.powell@dot.state.fl.us. Comments received after **June 30, 2010**, may not be considered. Your input is encouraged.

RP/dt
Attachment

STABILIZING.
(REV 5-20-10)

SUBARTICLE 160-3.2 (Pages 196 – 197) is deleted and the following substituted:

160-3.2 Application of Stabilizing Material: After substantially completing the roadbed grading operations, determine the type and quantity (if any) of stabilizing material necessary for compliance with the bearing value requirements. *Ensure the maximum final quantity of Reclaimed ~~ycled~~ Asphalt Pavement (RAP) in the subgrade area is no more than 25% by volume of the stabilized area.* Notify the Engineer of the approximate quantity to be added before spreading. When additive stabilizing materials are required, spread the material uniformly over the area to be stabilized.

160-3.2.1 Sampling and Testing of Local Material: Randomly select locations for sampling using a random number generator approved by the Engineer and test at the minimum frequency listed in the table below before mixing. The Engineer will reject the material for failing QC test results. The Engineer will sample for Verification and Resolution testing at the minimum frequency listed in the table below. The Engineer will perform Verification tests at the minimum frequency listed in the table below.

Test Name	Quality Control	Verification	Resolution
Liquid Limit (LL), Plastic Index (PI), and Organic Content	One per two LOTS	One per eight LOTS	One per eight LOTS

160-3.2.1.1 Verification Comparison Criteria and Resolution

Procedures: If the QC and the Department’s Verification tests meet the requirements of Section 914 then the Engineer will accept the corresponding LOTS. Otherwise, the Engineer will submit the Resolution sample to the State Materials Office or an AASHTO accredited laboratory designated by the State Materials Office to perform Resolution testing.

If the Resolution Test results meet the requirements of Section 914 then the Engineer will accept the LOTS in question. Otherwise remove the material and apply new material meeting the requirements of Section 914 and retest in accordance with 160-3.2.