

ORIGINATION FORM

Date: 3/15/2011

Originator: Stanley Youmas, Ben Watson

Contact Information: 850-414-4252, 352-955-2935

Specification Title: 160 Stabilizing

Specification Section, Article, or Subarticle Number: 160-3.2

Why does the existing language need to be changed?

Prior to the 1-11 WB, the specifications did not address the maximum quantity of RAP or RAP blended material that could be used in stabilizing material. The text highlighted below was added at that time to address potential settlement issues when larger quantities of RAP material are used. However, it has become apparent that this does not address the potential for settlement that is directly related to the variability of actual asphalt content in RAP and RAP blended sources. The existing language needs to be modified and moved to Section 914 to more appropriately avoid potential settlement issues by determining the actual Asphalt Content in the final mixed Subgrade.

Summary of the changes:

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 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.



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
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OFFICE OF THE
SECRETARY

MEMORANDUM

DATE: April 20, 2011
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.

Based on additional research, this change was proposed by Ben Watson of the State Materials Office and Stanley Youmas of the State Construction Office to delete the reference to RAP and RAP blended materials. Language will be added to Section 914 to address the use of these materials in the final mixed subgrade.

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 SP965RP or rudy.powell@dot.state.fl.us. Comments received after **May 19, 2011** may not be considered. Your input is encouraged.

RP/dt
Attachment

STABILIZING.

(REV ~~34-15298-11~~)

SUBARTICLE 160-3.2 (of the Supplemental Specifications) 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 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.

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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.

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Are these changes applicable to all Department jobs? If not, what are the restrictions? *All jobs*

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? *No change in costs*

With who have you discussed these changes? *State Construction Office; All the Districts*

What other offices will be impacted by these changes? *Materials, Construction*

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? *No*

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? *No*

Contact the State Specifications Office for assistance in completing this form.

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