

ORIGINATION FORM

X Modify Specification _160 Stabilizing.

Section/File number

Subject: Section 160 -4.3.2.1 Bearing Value & Soil Classification

Origination date: December 5,-2009

Originator: Tom Malerk

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Problem statement: Confusion exist about requiring the Engineer to sample and test for FM 5-515 Limerock Bearing Ratio (LBR) instead of using the sample collected by the contractor in Section 160-4.3.1.3 for Verification LBR testing. This edit will specifically require the Engineer to collect a sample for LBR

Information source: No specific contacts for this issue

Background data: Several Districts have requested clarification of the Engineer's responsibility. For more information please contact Ben Watson at 352-955-2935. (ben.watson@dot.state.fl.us).

Recommended Usage Note: No usage notes are recommended.

Expected fiscal impact, if implemented: No fiscal impact is expected

Implementation of these changes, if and when approved, will begin with the *January 2011* July 2010 letting.

160-4.3.2.1 Bearing Value & Soil Classification: - The Engineer will *collect a sample at a different location other than the sample collected in 160-4.3.1.3*, and test the Stabilized Subgrade for determination of the LBR in accordance with FM 5-515. *The Engineer will select test locations, including Stations and Offsets, using a Random Number generator, based on the LOTs under consideration.*

~~If the Engineer has approved consideration of the Unsoaked LBR, sample and test the initial LOT for one soaked and one unsoaked LBR in addition to the frequency shown in 160-4.2.4.~~

If Local Material is used for stabilizing, the Engineer will determine compliance with ~~embankment utilization requirements~~ *the by requirements by* testing and classifying the Stabilized Subgrade in accordance with AASHTO T88 and AASHTO M 145 at the frequency shown in 160-4.2.4.

~~The Engineer will select test locations, including Stations and Offsets, using a Random Number generator, based on the LOTs under consideration.~~

160-4.3.2.1.1 Unsoaked LBR: The Engineer will sample and test the initial LOT for one soaked and one unsoaked LBR if consideration of the Unsoaked LBR has been approved.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

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STEPHANIE KOPELOUSOS
SECRETARY

MEMORANDUM

DATE: January 4, 2010

TO: Specification Review Distribution List

FROM: Rudy Powell, Jr., P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **1600403 Stabilizing – Department Verification Testing**

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

This change is proposed by Ben Watson of the State Materials Office to clarify the Engineer's responsibility for collecting a separate sample for Limerock Bearing Ratio (LBR) testing.

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 **February 1, 2010**, may not be considered. Your input is encouraged.

RP/dt
Attachment

STABILIZATION - DEPARTMENT VERIFICATION TESTS.

(REV 12-~~29~~179-09)

SUBARTICLE 160-4.3.2(Page 200) is deleted and the following substituted:

160-4.3.2 Department Verification Tests:

160-4.3.2.1 Bearing Value & Soil Classification: -The Engineer will collect a sample *at a different location other than the location where the sample was collected in 160-4.3.1.3*, and test the Stabilized Subgrade for determination of the LBR in accordance with FM 5-515. *The Engineer will select test locations, including Stations and Offsets, using a Random Number generator, based on the LOTs under consideration.*

~~If the Engineer has approved consideration of the Unsoaked LBR, sample and test the initial LOT for one soaked and one unsoaked LBR in addition to the frequency shown in 160-4.2.4.~~

If Local Material is used for stabilizing, the Engineer will determine compliance with embankment utilization requirements *and 160-3.4* by testing and classifying the Stabilized Subgrade in accordance with AASHTO -T88 and AASHTO -M -145 at the frequency shown in 160-4.2.4.

~~The Engineer will select test locations, including Stations and Offsets, using a Random Number generator, based on the LOTs under consideration.~~

160-4.3.2.1.1 Unsoaked LBR: The Engineer will sample and test the initial LOT for one soaked and one unsoaked LBR if consideration of the Unsoaked LBR has been approved.

160-4.3.2.2 Mixing Depth: The Engineer will witness the Contractor's mixing depth checks to ensure compliance with 160-4.2.2. The Engineer will select test locations, including Stations and Offsets, using a Random Number generator.

160-4.3.2.3 Modified Proctor Maximum Density: The Engineer will randomly select one of the retained split samples and test in accordance with FM 1-T 180, Method D.