

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: 330

Subject: Hot Bituminous Mixtures - General Construction Requirements

Origination date: November 24, 2010

Originator: Greg Sholar

Office/Phone: State Materials Office / 352.955.2920

Problem statement: 1. There have been some recent projects with asphalt pavements that have had surface defects that proved challenging for the Department to get corrected during construction and repaired after construction. Wording in the specification needs revision to correct this.

2. Sidewalks and bicycle paths do not need to be straightedge tested routinely.

Proposed solution: 1. Modify wording in 330-12.3 related to surface defects.

2. Exclude sidewalks and bicycle paths from straightedge testing in 330-12.4.5.2. Areas that the Engineer deems unacceptable can still be addressed per 330-12.4.5.2.

Information source: 1. District personnel.

2. Pavement Management Central Office

Recommended Usage Note: All asphalt projects.

Estimated fiscal impact, if implemented: None.

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

For State Specifications Office Use Only

Begin date:

File Number:

Scheduled completion date:

Implementation date:

Implementation team member:

Usage Note:

Notes:



Florida Department of Transportation

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STEPHANIE KOPELOUSOS
SECRETARY

MEMORANDUM

DATE: December 17, 2010

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specification: **3300202 Hot Bituminous Mixtures – General Construction Requirements.**

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

These changes were proposed by Greg Sholar of the State Materials Office to expand the minimum process control testing requirements and to exclude sidewalks and bicycle/shared use paths from straightedge 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 email at SP965RP or rudy.powell@dot.state.fl.us. Comments received after **January 14, 2011** may not be considered. Your input is encouraged.

RP/dt
Attachment

HOT BITUMINOUS MIXTURES – GENERAL CONSTRUCTION REQUIREMENTS.
(REV 1~~12~~-2417-10)

SUBARTICLE 330-2.2 (of the Supplemental Specifications) is expanded by the following:

6. Monitor the mix texture to minimize pavement segregation. Use density gauges, infrared temperature measurement devices, or roadway cores at the beginning of each day's production, and as necessary, both at truck exchanges and during normal paving operations. Identify in the QC Plan the method(s) chosen for monitoring pavement segregation and the corrective actions that will be taken to resolve any identified problems.

SUBARTICLE 330-10.1.5 (of the Supplemental Specifications) is deleted and the following substituted:

330-10.1.5 Correcting Defects: Do not allow the rollers to deposit gasoline, oil, or grease onto the pavement. Remove and replace any areas damaged by such deposits as directed by the Engineer. While rolling is in progress, test the surface continuously, and correct all discrepancies to comply with the surface requirements *in 330-12*. Remove and replace all drippings, fat or lean areas, and defective construction of any description. Remedy depressions that develop before completing the rolling by loosening the mixture and adding new mixture to bring the depressions to a true surface. Should any depression remain after obtaining the final compaction, remove the full depth of the mixture, and replace it with sufficient new mixture to form a true and even surface. Correct all high spots, high joints, and honeycombing as directed by the Engineer. Remove and replace any mixture remaining unbonded after rolling. Correct all defects prior to laying the subsequent course.

SUBARTICLE 330-12.4.5.2 (of the Supplemental Specifications) is deleted and the following substituted:

330-12.4.5.2 Straightedge Exceptions: Straightedge testing will not be required in the following areas: shoulders, intersections, tapers, crossovers, *sidewalks, bicycle/shared use paths*, parking lots and similar areas, or in the following areas when they are less than 250 feet in length: turn lanes, acceleration/deceleration lanes and side streets.

As an exception, in the event the Engineer identifies a surface irregularity in the above areas that is determined to be objectionable, straightedge and address all deficiencies in excess of 3/8 inch in accordance with 330-12.5.

The Engineer may waive straightedge requirements for transverse joints at the beginning and end of the project, at the beginning and end of bridge structures, at manholes, and at utility structures if the deficiencies are caused by factors beyond the control of the Contractor, as determined by the Engineer. In addition, the Engineer may also waive the straightedging requirements on ramps and superelevated sections where the geometrical orientation of the pavement results in an inaccurate measurement with the rolling straightedge.