

ORIGINATION FORM

Date: 4/28/14

Originator: Greg Sholar

Contact Information: 352.955.2920; gregory.sholar@dot.state.fl.us

Specification Title: Hot Mix Asphalt – General Construction Requirements

Specification Section, Article, or Subarticle Number: 330

Why does the existing language need to be changed? Update specification to address field construction issue.

Summary of the changes: Increased the minimum ambient temperature for polymer modified mixtures greater than 1 inch thick from 45°F to 50°F to address texture and density issues with paving those mixtures in colder weather. Provides the option to pave at 45°F provided the Contractor can demonstrate good paving practices and with the approval of the Engineer.

Are these changes applicable to all Department jobs? Yes.

If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? Should be cost neutral.

If yes, what is the estimated change in costs?

With who have you discussed these changes? FDOT staff and Asphalt Contractors' Association of Florida.

What other offices will be impacted by these changes? Construction.

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

Are all references to external publications current? N/A.

If not, what references need to be updated (please include changes in the redline)?

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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ANANTH PRASAD, P.E.
SECRETARY

M E M O R A N D U M

DATE: May 8, 2014

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **3300302 Hot Mix Asphalt - General Construction Requirements.**

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

This change was proposed by Greg Sholar of the State Materials Office (SMO) to modify the language to address a field construction issue.

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 SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **June 4, 2014**, may not be considered. Your input is encouraged.

DS/dt
Attachment

HOT MIX ASPHALT - GENERAL CONSTRUCTION REQUIREMENTS.**(REV 4-29-14)**

SUBARTICLE 330-3.2.2 is deleted and the following substituted:

330-3.2.2 Ambient Air Temperature: Place the mixture only when the air temperature in the shade and away from artificial heat meets requirements of Table 330-1. The minimum ambient temperature requirement may be reduced by 5°F when using warm mix technology, if mutually agreed to by both the Engineer and the Contractor.

Table 330-1	
Ambient Air Temperature Requirements for Paving	
Layer Thickness or Asphalt Binder Type	Minimum Temperature (°F)
≤ 1 inch	50
Any mixture > 1 inch containing a PG asphalt binder having a high temperature designation ≥ 76°C	45 50 ⁽¹⁾
Any mixture > 1 inch containing a PG asphalt binder having a high temperature designation < 76°C	40
FC-5 ⁽⁴⁾	65 ⁽²⁾
<p><i>(1) As an exception, place the mixture at temperatures no lower than 45°F, only when approved by the Engineer, based on the Contractor's demonstrated ability to achieve satisfactory density and surface texture.</i></p> <p><i>(2) As an exception, place the mixture at temperatures no lower than 60°F, only when approved by the Engineer based on the Contractor's demonstrated ability to achieve a satisfactory surface texture and appearance of the finished surface. The minimum ambient temperature may be further reduced to 55°F when using warm mix technology, if agreed to by both the Engineer and the Contractor.</i></p>	