

ORIGINATION FORM
Proposed Revisions to the Specifications

Date:

Specification Section:

Originator:

Articles/Subarticles:

Telephone:

email:

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs? Yes No
If not, what are the restrictions?

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

With who have you discussed these changes?

What other offices will be impacted by these changes?

Will this revision necessitate changes to the following: BOE PPM SDG CPAM

Design Standards List Affected Index Nos.

Other manual?

Are all references to external publications current? Yes No
If not, what references need to be updated (please include changes in the redline)?

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

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

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: November 20, 2014

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specification: **3300601 Hot Mix Asphalt – General Construction Requirements.**

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

The changes are proposed by Richard Hewitt of the State Construction Office to eliminate the Arithmetic Mean and simplify the method to determine pay quantities and adjustments for asphalt pay items. Language is being added to keep the spread rates of 5 truck placements within +/-20% of target spread rate. The current language addressing maintaining spread rates within +/-5% of target spread rate over two consecutive days will remain.

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 online at <http://www2.dot.state.fl.us/SpecificationsEstimates/Development/IndustryReview.aspx>. Comments received after **December 18, 2014**, may not be considered. Your input is encouraged.

DS/ot
Attachment

**HOT MIX ASPHALT – GENERAL CONSTRUCTION REQUIREMENTS
(REV 11-7-14)**

SUBARTICLE 330-6.1.5 is deleted and the following substituted:

330-6.1.5 Thickness and Spread Rate of Layers: Construct each layer as defined in the following table:

| Table 330-2 | |
|-----------------------------------------------|-----------------------------------|
| Thickness and Target Spread Rate Requirements | |
| Mix Type | Specification Section and Article |
| Type SP | 334-1 |
| Type FC | 337-8 |
| Type B | 234-8 |
| ATPB | 287-8 |

330-6.1.5.1 Thickness Control: Ensure the spread rate is within 5% of the target spread rate. When determining the spread rate, use, at a minimum, an average of five truckloads of mix *and at a maximum, an average of 10 truckloads of mix*. When the average spread rate is beyond plus or minus 5% of the target spread rate, monitor the thickness of the pavement layer closely and adjust the construction operations.

~~Stop the construction operation if the Contractor an average spread rate within plus or minus 5% of the target spread rate for two consecutive days fails to be maintained, until an average spread rate within plus or minus 5% of the target spread rate for two consecutive days, the Engineer may elect to stop the construction operation at any time until the issue is resolved. When the average spread rate for two consecutive days is beyond plus or minus 5% of the target spread rate, stop the construction operation until the issue is resolved.~~

330-6.1.5.2 Maximum Spread Rate Tolerances: When ~~an individual the average spread rate, for the total structural or friction course pavement thickness~~ measured in accordance with 330-6.1.5.1, ~~exceeds the maximum spread rate tolerances is beyond plus or minus 20% of the target spread rate, stop the construction operation until the issue is resolved shown in Table 330-3,~~ address Address the unacceptable pavement in accordance with 330-9.5. *The following areas are exempt from a work stoppage based solely on the calculated spread rate: median crossovers, turnouts, variable thickness overbuild courses, leveling courses, miscellaneous asphalt pavement, as well as, turn lanes and ramps less than 1,000-ft feet long.*

| Table 330-3 | | |
|--------------------------------|------------------|-----------------------|
| Maximum Spread Rate Tolerances | | |
| Course | Design Thickness | Spread Rate Tolerance |
| Structural | ≥ 2.5 inches | ± 50 lbs per sy |
| Structural | < 2.5 inches | ± 25 lbs per sy |
| Friction (dense) | – | ± 25 lbs per sy |
| Friction (open) | – | ± 15 lbs per sy |

As an exception, the Engineer may allow the Contractor to leave areas in place if it is determined by the Engineer that the deficiency is not a significant detriment to the pavement quality. *For areas of deficient thickness*, a reduction to the pay item quantity will be made in accordance with 330-9.5.2.