



## Florida Department of Transportation

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January 5, 2015

Khoa Nguyen  
Director, Office of Technical Services  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: State Specifications and Estimates Office  
Section **330**  
Proposed Specification: **3300601 Hot Mix Asphalt – General Construction Requirements.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

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 review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965DS or [daniel.scheer@dot.state.fl.us](mailto:daniel.scheer@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

signature on file

Daniel Scheer, P.E.  
State Specifications Engineer

DS/ot

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**HOT MIX ASPHALT – GENERAL CONSTRUCTION REQUIREMENTS**  
(REV ~~11-7-14~~**1-5-15**)

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 *plus or minus* 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.

**HOT MIX ASPHALT – GENERAL CONSTRUCTION REQUIREMENTS  
(REV 1-5-15)**

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 plus or minus 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.

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 spread rate, measured in accordance with 330-6.1.5.1, is beyond plus or minus 20% of the target spread rate, stop the construction operation until the issue is resolved. 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 feet.

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.