

**3340000, Superpave Asphalt Pavement
Comments from Industry Review**

Mickey Cox
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Comment:

Concerning the frequency of Gmm on crushed RAP, I feel that 1 per 1000 tons on crushing RAP is to excessive. I usually crush around 15,000-20,000 tons each time and I will have 15-20 Gmm's and I think that is excessive. I would think that 1 per 2000 tons would be more than enough.

Howard Moseley
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Comments:

334-1.1: Can we remove option #2? - 334-2.3.1: o I am a little concerned about removing the 50% RAP limit (all mixes) and the 30% RAP limit on traffic level D and E mixes. I think these restrictions have served us well. o Since we are already increasing the amount of RAP in PG 76-22 mixes to 20%, do we need the exception allowing more RAP if no more than 20% by weight of the total binder comes from RAP? It might be good to remove this exception now since RAP piles can vary and the allowable percentage of RAP has increased. - 334-2.3.3 "RAP Stockpile Approval: 1. Continuous stockpile: When RAP is obtained from one or multiple sources and is either processed, blended, or fractionated, and stockpiled in a continuous manner, assure an adequate number of test results are obtained for stockpile approval." We need to assign a number. An adequate number to us may be different than an adequate number to a contractor. - 334-5.1.9.5: Add "at a minimum" to the new paragraph. It should read like this: "When evaluating defective material by engineering analysis or delineation testing, at a minimum, evaluate all material located between passing Quality Control,... I have had Contractors argue that a QC air void of 2.34% indicates all of the material on the other side of this test result is good to go. - Table 334-8: I am a little concerned about the other non-vertical vibratory modes. Do we really need to have this in the spec?

Jennifer Williams
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Florida Department of Transportation

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Comment:

Section 334-5.1.7.2 Roadway - Change “Obtain five 6 inch roadway cores within 24 hours of placement” to “obtain three 6 inch roadway cores within 24 hours of placement, where it is impractical to cut five cores”. This follows the requirement in 334-5.1.4.3 for acceptance of the mix. Based on our field experience with obtaining IV cores, this proposed change is reasonable.

Rich Hewitt
District 5 Bituminous Engineer:

Comments:

There is often some confusion with the word “terminated” in reference to Spec.334-5.1.2.2 of the “09” specs and the word terminated in the CPF sheet. Some people are confusing a LOT “terminated” after 20 days with the “Lot Terminated” button on the CPF sheet (form # 675-030-22A). I don’t think the intent of the Spec was to affect the CPF if a LOT ends due to time only. Therefore we propose Spec language only use the word “terminated” when referring to a LOT ending due to a QC failure (Specification 334-5.1.4.4). For other conditions, use the word “closed” (such as when a LOT reaches the 20 day time limit or the completion of a given mix type or mix design on a project).

Below is one substitution below in red text. However, there may be other locations in the Specs where the previously described proposal would necessitate the wording change.

334-5.1.2.2 Partial LOTs: A partial LOT is defined as a LOT size that is less than a full LOT. A partial LOT may occur due to the following: 1. The completion of a given mix type or mix design on a project. 2. LOTs will be terminated closed 20 calendar days after the start of the LOT. (Time periods other than 20 days may be used if agreed to by both the Engineer and the Contractor.) 3. A LOT is terminated per 334-5.1.4.4. All partial LOTs will be evaluated based on the number of tests available, and will not be redefined.

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Comment:

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Comments from internal teleconference on 7/17/09

Comment:

334-3.2.1.

1. Remove the comment inserted in the first sentence.
2. Should “may” be “must” or “shall” in the third paragraph proposed?
3. Update URL to the specifications office website to ensure consistent implementation of specification and list. To be provided by the Specifications Office.

Response:

Comment:

334-3.2.3.1, -3.2.3.2, - 3.2.3.4. Remove the comments in Word.

Response:

Comments from Meeting with Industry on 7/23/09

Comment:

334-2.3.3 (1) and (2). Revise the quantity of incoming material because

Response:

Comment:

334-2.3.3. Delete the proposed paragraph “Submit data for gradation, asphalt content,” at the end of the article because

Response:

Comment:

334-2.3.3 and -2.3.4. Renumber these subarticles to -2.3.4 and -2.3.5.

Response:

Comment:

334-3.3. Revise Table 334-4 because

Response:

Comment:

334-5.1.7.2. Change the first sentence to read, “Obtain five 6 inch diameter roadway cores, or three if five cannot be taken, within 24 hours of notification as directed ...” because ...

Response:

Comment:

334-5.1.9.5. Clarify the last paragraph because

Response: