

3340203 SUPERPAVE ASPHALT CONCRETE
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (11-30-21 Internal)

Under 334-5.9.5 Defective Material...I don't think it's a good ideal to completely eliminate the PC test data from the EAR process...if I am reading that correctly...even if it did not compare with the IV test results all data should be considered as part of the review.

Yes sir, they currently use the PC data as part of the delineation/EAR. For instance, if the AC failed they still look at the gradations and other characteristics. Or air voids, they still look at the PC data such as AC or gradations. Even when I complete a delineation we sample from good PC sample to good PC sample. PC test really help us on the material limits because a pay sample might be from the day before. I believe PC test must/needs to be used for any engineering analysis or delineation procedures

Response:

Thank you for your comments.

This revision requires that only PC samples which compare with verified IV test results by the process detailed in 334-5.7.1 for Independent Verification (IV) Testing can be used for the purpose of engineering analysis or delineation.

The revised language is shown above.

(1-5-22 Specifications Office):

Image of the revised Subarticle is highlighted below for space purposes.

SUBARTICLE 334-5.9.5 is deleted and the following substituted:

334-5.9.5 Defective Material: Assume responsibility for removing and replacing all defective material placed on the project, at no cost to the Department.

As an exception to the above and upon approval of the Engineer, obtain an engineering analysis in accordance with Section 6 by an independent laboratory (as approved by the Engineer) to determine the disposition of the material. The engineering analysis must be signed and sealed by a Professional Engineer licensed in the State of Florida.

The Engineer may determine that an engineering analysis is not necessary or may perform an engineering analysis to determine the disposition of the material.

Any material that remains in place will be accepted with a CPF as determined by 334-8, or as determined by the Engineer.

If the defective material is due to a gradation, asphalt binder content or density failure, upon the approval of the Engineer the Contractor may perform delineation tests on roadway cores in lieu of an engineering analysis to determine the limits of the defective material that may require removal and replacement. Prior to any delineation testing, all sampling locations shall be approved by the Engineer. All delineation sampling and testing shall be monitored and verified by the Engineer. For materials that are defective due to air voids, an engineering analysis is required.

When evaluating defective material by engineering analysis or delineation testing, at a minimum, evaluate all material located between passing QC, PC or IV test results.

Any additional PC samples obtained in the same work shift after an IV sample has been obtained shall include enough material for three complete sets of tests (PC, IV and IV check samples) in the event the Contractor requests using the PC test results for engineering analysis or delineation. These additional PC samples must compare with verified IV test results as determined by the comparison process of 334-5.7.1 in order to be used for engineering analysis or delineation.

Exceptions to this requirement shall be approved by the Engineer.
