Florida Department of Transportation

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GOVERNOR

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Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

May 15, 2025

Cathy Kendall
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: 916
Proposed Specification: **9160302 Bituminous Materials***
*Associated: 3000900 Prime and Tack Coats

Dear Ms. Kendall:

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

The changes are proposed by Gregory Sholar to move Division III language into the appropriate place in Division II.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.
State Specifications Engineer

DS/dh
Attachment
cc: Florida Transportation Builders' Assoc.
State Construction Engineer

BITUMINOUS MATERIALS
(REV 3-18-25)

SUBARTICLE 916-3.2 is deleted and the following substituted:.

916-3.2 Requirements: Use a prime coat meeting the requirements of AASHTO M 140 for anionic emulsions, AASHTO M 208 or AASHTO M 316 for cationic emulsions, or as specified in the Producer's QC Plan. For anionic emulsions, the cement mixing test will be waived. For tack products, the minimum testing requirements shall include percent residue, naphtha content (as needed), one-day storage stability, sieve test, Saybolt Furol viscosity, original DSR, re-emulsification (FM 5-624), and solubility (on an annual basis). Residue testing shall be performed on residue obtained from distillation, AASHTO T 59 or low-temperature evaporation (AASHTO R 78).

~~At the direction of the Engineer, in accordance with AASHTO R 66, sample tack from the distributor used on the project at a minimum frequency of once per project per product. The sample shall be tested by the Department for the following specified material properties: percent residue, contaminants, and the residue property G*/sin δ. Should any of the test results fail the specification requirements, the tack material will be considered defective and shall not to be used on Department projects unless waived by the Engineer. Should a tack sample fail specifications, the Engineer may require three 6-inch diameter roadway cores be obtained from the day of production from which the tack sample was obtained. The roadway cores shall be tested for bond strength in accordance with FM 5-599. Individual bond strength results less than 80 psi will require removal and replacement. Failing bond strength results may result in bond strength testing for additional areas represented by the failing tack material.~~

Commented [GS1]: These are Division II requirements and need to be moved from this Section 916 (which is in Division III) to Section 300.

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