



# Florida Department of Transportation

**RICK SCOTT**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**ANANTH PRASAD, P.E.**  
SECRETARY

December 19, 2013

Chad Thompson  
Programs Operations Engineer  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: State Specifications and Estimates Office  
Section **300**  
Proposed Specification: **3000201 Prime and Tack Coats.**

Dear Mr. Thompson:

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

These changes were proposed by Greg Sholar of the State Materials Office (SMO) to include language for newly approved trackless tack coats.

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/dt

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**PRIME AND TACK COATS.**(REV ~~10-2511-4-13~~12-17-13)

SUBARTICLE 300-2.1 is deleted and the following substituted:

**300-2.1 Prime Coat:** For prime coat, use ~~Cut-back Asphalt Grade RC-70 or RC-250 meeting the requirements of 916-2;~~ Emulsified Asphalt Grades SS-1, ~~or~~ CSS-1, SS-1H, or CSS-1H diluted in equal proportion with water; Emulsified Asphalt Grade ~~AE-60, AE-90, AE-150, or AE-200~~ diluted at the ratio of six parts emulsified asphalt to four parts water; Special MS-Emulsion diluted at the ratio of six parts emulsified asphalt to four parts water; Asphalt Emulsion Prime (AEP), Emulsion Prime (RS Type), EPR-1 Prime, or NTSS-1hm meeting the requirements of 916-~~32~~, or other types and grades of bituminous material which may be specified in the Contract Documents.

Where the above materials for use as a prime coat are to be diluted, certify that the dilution was done in accordance with this Section for each load of material used.

The Contractor may select any of the specified bituminous materials unless the Contract Documents indicate the use of a specific material. The Engineer may allow types and grades of bituminous material other than those specified above if the Contractor can show that the alternate material will properly perform the function of prime coat material.

SUBARTICLE 300-2.3 is deleted and the following substituted:

**300-2.3 Tack Coat:** Unless the Contract Documents call for a specific type or grade of tack coat, use PG 52-28 meeting the requirements of 916-1, heated to a temperature of 250 to 300°F or *use an* undiluted ~~Emulsified Asphalt Grades~~ *emulsion* RS-1h, RS-2, CRS-1h, ~~or~~ NTSS-1hm, *NTCRS-1hM, CBC-LT, or EM-50-TT* meeting the requirements of 916-~~32~~. Heat ~~RS-1h, RS-2, CRS-1h, and NTSS-1hm~~ *the emulsion* to a temperature of 150 to 180°F. The Contractor may use RS-1h modified to include up to 3% naphtha to improve handling of the material during the winter months of December, January and February or at any other time, as approved by the Engineer.

For night paving, use PG 52-28 tack coat. The Engineer may approve ~~RS-1h, RS-2, CRS-1h, or NTSS-1hm~~ *an emulsion listed above* for night paving if the Contractor demonstrates, at the time of use, that the emulsion will break and not affect the progress of the paving operation.

**PRIME AND TACK COATS.**  
**(REV 12-17-13)**

SUBARTICLE 300-2.1 is deleted and the following substituted:

**300-2.1 Prime Coat:** For prime coat, use Emulsified Asphalt Grades SS-1, CSS-1, SS-1H, or CSS-1H diluted in equal proportion with water; Emulsified Asphalt Grade AE-90 diluted at the ratio of six parts emulsified asphalt to four parts water; Special MS-Emulsion diluted at the ratio of six parts emulsified asphalt to four parts water; Asphalt Emulsion Prime (AEP), Emulsion Prime (RS Type), EPR-1 Prime, or NTSS-1hm meeting the requirements of 916-2, or other types and grades of bituminous material which may be specified in the Contract Documents.

Where the above materials for use as a prime coat are to be diluted, certify that the dilution was done in accordance with this Section for each load of material used.

The Contractor may select any of the specified bituminous materials unless the Contract Documents indicate the use of a specific material. The Engineer may allow types and grades of bituminous material other than those specified above if the Contractor can show that the alternate material will properly perform the function of prime coat material.

SUBARTICLE 300-2.3 is deleted and the following substituted:

**300-2.3 Tack Coat:** Unless the Contract Documents call for a specific type or grade of tack coat, use PG 52-28 meeting the requirements of 916-1, heated to a temperature of 250 to 300°F or use an undiluted emulsion RS-1h, RS-2, CRS-1h, NTSS-1hm, NTCRS-1hM, or EM-50-TT meeting the requirements of 916-2. Heat the emulsion to a temperature of 150 to 180°F. The Contractor may use RS-1h modified to include up to 3% naphtha to improve handling of the material during the winter months of December, January and February or at any other time, as approved by the Engineer.

For night paving, use PG 52-28 tack coat. The Engineer may approve an emulsion listed above for night paving if the Contractor demonstrates, at the time of use, that the emulsion will break and not affect the progress of the paving operation.