

ORIGINATION FORM

Date: 12-02-11

Originator: Greg Sholar

Contact Information: 352.955.2920

Specification Title: Prime and Tack Coats for Base Courses

Specification Section, Article, or Subarticle Number: 300

Why does the existing language need to be changed? To increase the minimum tack coat application rate.

Summary of the changes:

See comments within proposed specification.

Are these changes applicable to all Department jobs? If not, what are the restrictions?

Yes, applicable to all Department jobs.

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? No increase in project cost.

With who have you discussed these changes? Department and Industry personnel.

What other offices will be impacted by these changes? The Construction Office should be notified of these changes.

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No.

Contact the State Specifications Office for assistance in completing this form.
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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: December 5, 2011
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **3000804 Prime and Tack Coats.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Greg Sholar of the State Materials Office to increase the minimum tack coat application rate for consistency with current industry standards and to revise the title.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965RP or rudy.powell@dot.state.fl.us. Comments received after **January 3, 2012**, may not be considered. Your input is encouraged.

RP/dt
Attachment

PRIME AND TACK COATS.
(REV 12-2-11)

Section Title (Page 237) is deleted and the following substituted:

SECTION 300
PRIME AND TACK COATS FOR BASE COURSES

Comment [r1]: Not just for base courses.

SUBARTICLE 300-8.4 (of the Supplemental Specifications) is deleted and the following substituted:

300-8.4 Rate of Application: Use a rate of application as defined in Table 300-1. Control the rate of application to be within plus or minus 0.01 gal/lon per square yard of the target application rate. The target application rate may be adjusted by the Engineer to meet specific field conditions. Determine and record the rate of application a minimum of twice per day, once at the beginning of each day's production and again as needed to control the operation. When using RA-550, multiply the target rate of application by 0.6.

Asphalt Mixture Type	Underlying Pavement Surface	Target Tack Rate (gal/yd ²)
Base Course, Structural Course, Dense Graded Friction Course	Newly Constructed Asphalt Layers	0.02 0.03 minimum
	Milled Surface or Oxidized and Cracked Pavement	0.06
	Concrete Pavement	0.08
Open Graded Friction Course	Newly Constructed Asphalt Layers	0.05
	Milled Surface	0.07

Comment [r2]: In agreement with Industry, the minimum value is being raised to provide more tack for better bonding. FDOT's current requirement is much lower than the remainder of the U.S.