

ORIGINATION FORM

Date: 4/28/14

Originator: Greg Sholar

Contact Information: 352.955.2920; gregory.sholar@dot.state.fl.us

Specification Title: Asphalt Concrete Friction Courses

Specification Section, Article, or Subarticle Number: 337

Why does the existing language need to be changed? Update specification for consistency.

Summary of the changes: The Final Estimates Office has requested that the layer thickness corresponding to the spread rate for FC-5 mixtures be provided to be consistent with the format provided for dense graded mixtures (i.e. lbs/yd² per applicable layer thickness).

Are these changes applicable to all Department jobs? Yes.

If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? No change.

If yes, what is the estimated change in costs?

With who have you discussed these changes? FDOT staff and Asphalt Contractors' Association of Florida.

What other offices will be impacted by these changes? None.

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

Are all references to external publications current? N/A.

If not, what references need to be updated (please include changes in the redline)?

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

Contact the State Specifications Office for assistance in completing this form.

Daniel Scheer 850-414-4130 daniel.scheer@dot.state.fl.us

Frances Thomas 850-414-4101 frances.thomas@dot.state.fl.us

Debbie Toole 850-414-4114 deborah.toole@dot.state.fl.us

Andy Harper 850-414-4127 clifton.harper@dot.state.fl.us

Ray Haverty 850-414-4129 ray.haverty@dot.state.fl.us



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

M E M O R A N D U M

DATE: May 8, 2014

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **3370802 Asphalt Concrete Friction Courses.**

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 (SMO) to update the language for consistency with Department practice.

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 SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **June 4, 2014**, may not be considered. Your input is encouraged.

DS/dt
Attachment

ASPHALT CONCRETE FRICTION COURSES.**(REV 4-28-14)**

SUBARTICLE 337-8.2 is deleted and the following substituted:

337-8.2 FC-5: The total thickness of the FC-5 layer will be the plan thickness as shown in the Contract Documents. For construction purposes, the plan thickness will be converted to spread rate based on the combined aggregate bulk specific gravity of the asphalt mix being used as shown in the following equation:

$$\text{Spread rate (lbs/yd}^2\text{)} = t \times G_{sb} \times 40.5$$

Where: t = Thickness (in.) (Plan thickness)

G_{sb} = Combined aggregate bulk specific gravity from the verified mix design

The weight of the mixture shall be determined as provided in 320-3.2.

Plan quantities are based on a G_{sb} of 2.635, corresponding to a spread rate of 80 lbs/yd² *for a 3/4 inch layer*. Pay quantities will be based on the actual combined aggregate bulk specific gravity (G_{sb}) of the mix being used.