



*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

July 2, 2024

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

Re: State Specifications Office  
Section: 337  
Proposed Specification: **3370302 Asphalt Concrete Friction Courses**

Dear Ms. Kendall:

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

The changes are proposed by Greg Sholar to allow 20% reclaimed asphalt pavement (RAP) to be used in dense graded asphalt friction course mixtures containing FL limestone.

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](mailto: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

**ASPHALT CONCRETE FRICTION COURSES**  
**(REV 5-3-24)**

SUBARTICLE 337-3.2.2 is deleted and the following substituted:

**337-3.2.2 FC-9.5 and FC-12.5:**

**337-3.2.2.1: Aggregates:** Use an aggregate blend of approved friction course aggregates in accordance with Table 337-1. For classification A, up to 20% RAP may be used. For classifications that B and C, ~~that allow non-friction aggregate~~ up to 20% RAP and up to 20% of the remaining fine aggregate from other sources of aggregate not approved for friction courses may be used. Mixtures utilizing High Polymer (HP) binder are not allowed to contain RAP.

A list of aggregates approved for use in friction course may be available on the Department's website. The URL for obtaining this information, if available, is: <https://mac.fdot.gov/>.

**337-3.2.2.2: Asphalt Binder:** Use an asphalt binder as called for in the Contract Documents meeting the requirements of Section 916. High polymer binder may be substituted in a mixture with PG 76-22 binder at no additional cost to the Department.

Classification	Minimum percentage of approved friction course aggregates for FC-5 mixtures	Minimum percentage of approved friction course aggregates for FC-9.5 and FC-12.5 mixtures	Percentage of hydrated lime required in FC-5 mixtures
A	100	<del>100</del> 80	0
B	100	60	1.0
C	100	60	1.5

SUBARTICLE 337-4.1 is deleted and the following substituted:

**337-4 Mix Design.**

**337-4.1 FC-5:** The Department will design the FC-5 mixtures. Furnish the materials and all appropriate information (source, gradation, etc.) as specified in 334-3.2.7. The Department will have three weeks to design the mix.

The Department will establish the design binder content for FC-5 within the following ranges based on aggregate type:

Aggregate Classification	Percent Binder Content
A	<del>6.0 - 7.5</del> 6.5 - 8.0
B or C	<del>6.5 - 8.0</del> 6.0 - 7.5

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Table 337-1 Friction Aggregate Classification			
Classification	Minimum percentage of approved friction course aggregates for FC-5 mixtures	Minimum percentage of approved friction course aggregates for FC-9.5 and FC-12.5 mixtures	Percentage of hydrated lime required in FC-5 mixtures
A	100	80	0
B	100	60	1.0
C	100	60	1.5

SUBARTICLE 337-4.1 is deleted and the following substituted:

**337-4 Mix Design.**

**337-4.1 FC-5:** The Department will design the FC-5 mixtures. Furnish the materials and all appropriate information (source, gradation, etc.) as specified in 334-3.2.7. The Department will have three weeks to design the mix.

The Department will establish the design binder content for FC-5 within the following ranges based on aggregate type:

Table 337-3 FC-5 Percent Binder Content	
Aggregate Classification	Percent Binder Content
A	6.5 - 8.0
B or C	6.0 - 7.5