Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

June 23, 2026

Daniel Holt, PE, PTOE
Director, Project Delivery
Director, Technical Services
FHWA
400 West Washington Street, Suite 4200
Orlando, FL 32801

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

Dear Mr. Holt:

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

The changes are proposed by Greg Sholar to prevent a potential aggregate shortage problem for FC-7 mix production.

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

ASPHALT CONCRETE FRICTION COURSES
(REV 4-2-26)

SUBARTICLE 337-3.2.1.1 is deleted and the following substituted:

337-3.2.1.1 Aggregates: Use an aggregate blend which consists of either 100% Class A friction aggregate or 100% Class B and/or C aggregates in accordance with Table 337-1. Do not blend Class A aggregate with Class B or C aggregate for FC-5 and FC-7 mixtures.

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/~~https://macreporting.fdot.gov/ReportsMainView.

SUBARTICLE 337-3.2.2.1 is deleted and the following substituted:

337-3.2.2.1 Asphalt Binder: 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 B and C, 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.

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SUBARTICLE 337-3.3.1 is deleted and the following substituted:

337-3.3.1 FC-5 and FC-7: Use a mixture having a gradation at design within the ranges shown in Table 337-2.

Table 337-2
FC-5 Gradation Design Range

3/4 inch	1/2 inch	3/8 inch	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100	No. 200
100	85-100	60-75	15-25	5-10	--	--	--	--	2-5

FC-7 Gradation Design Range

3/4 inch	1/2 inch	3/8 inch	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100	No. 200
~~--~~100	~~--~~96-100	85-100	25-40	10-15	--	--	--	--	2-5

SUBARTICLE 337-12.3 is deleted and the following substituted:

337-12.3 FC-5 and FC-7: Meet the requirements of 334-8 with the following exceptions:

1. Pay factors will be calculated for asphalt binder content and the percentages passing the 3/8 inch, the No. 4, and the No. 8 sieves only.
2. Table 337-5 replaces Table 334-8.
3. Table 337-6 replaces Table 334-9.

4. For FC-5, the Composite Pay Factor equation in 334-8.3 is replaced with the following:

CPF = [(0.20 x PF 3/8 inch) + (0.30 x PF No. 4) + (0.10 x PF No. 8) + (0.40 x PF AC)]

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5. For FC-7, the Composite Pay Factor equation in 334-8.3 is replaced with the following:

CPF = [(0.10 x PF 3/8 inch) + (0.30 x PF No. 4) + (0.15 x PF No. 8) + (0.45 x PF AC)]

Table 337-5 Small Quantity Pay Table for FC-5 and FC-7		
Pay Factor	1-Test Deviation	2-Test Average Deviation
Asphalt Binder Content (%)		
1.05	0.00-0.25	0.00-0.18
1.00	0.26-0.50	0.19-0.35
0.90	0.51-0.60	0.36-0.42
0.80	>0.60	>0.42
3/8 inch Sieve (%)		
1.05	0.00-3.25	0.00-2.30
1.00	3.26-6.50	2.31-4.60
0.90	6.51-7.50	4.61-5.30
0.80	>7.50	>5.30
No. 4 Sieve (%)		
1.05	0.00-2.50	0.00-1.77
1.00	2.51-5.00	1.78-3.54
0.90	5.01-6.00	3.55-4.24
0.80	>6.00	>4.24
No. 8 Sieve (%)		
1.05	0.00-1.50	0.00-1.06
1.00	1.51-3.00	1.07-2.12
0.90	3.01-3.50	2.13-2.47
0.80	>3.50	>2.47

Table 337-6 Specification Limits for FC-5 and FC-7	
Quality Characteristic	Specification Limits
Asphalt Binder Content (%)	Target ± 0.45
Passing 3/8 inch sieve (%)	Target ± 6.00
Passing No. 4 sieve (%)	Target ± 4.50
Passing No. 8 sieve (%)	Target ± 2.50

ASPHALT CONCRETE FRICTION COURSES
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