

EXPECTED IMPLEMENTATION JULY 2012

337 ASPHALT CONCRETE FRICTION COURSES. (REV 12-2-11) (FA 2-6-12) (7-12)

SUBARTICLE 337-6.2 (of the Supplemental Specifications) is deleted and the following substituted:

337-6.2 FC-5: Meet the requirements of 334-5 with the following exceptions:

1. The mixture will be accepted with respect to gradation ($P_{-3/8}$, P_{-4} , and P_{-8}), and asphalt binder content (P_b) only.
2. Testing in accordance with AASHTO T 312-11 and FM 1-T 209 (and conditioning prior to testing) will not be required as part of 334-5.1.1.
3. The standard LOT size of FC-5 will be 2,000 tons, with each LOT subdivided into four equal sublots of 500 tons each.
4. The Between-Laboratory Precision Values described in Table 334-6 are modified to include ($P_{-3/8}$, P_{-4} , and P_{-8}) with a maximum difference per FM 1-T 030 (Figure 2).
5. Table 334-5 (Master Production Range) is replaced by Table 337-2.
6. The mixture will be accepted on the roadway with respect to surface tolerance in accordance with 334-5.8. No density testing will be required for these mixtures.

Table 337-2 FC-5 Master Production Range	
Characteristic	Tolerance (1)
Asphalt Binder Content (%)	Target $\pm$ 0.60
Passing 3/8 inch Sieve (%)	Target $\pm$ 7.50
Passing No. 4 Sieve (%)	Target $\pm$ 6.00
Passing No. 8 Sieve (%)	Target $\pm$ 3.50
(1) Tolerances for sample size of $n = 1$ from the verified mix design	

337-6.2.1 Individual Test Tolerances for FC-5 Production: Terminate the LOT if any of the following Quality Control failures occur:

- 1) An individual test result of a subplot for asphalt binder content does not meet the requirements of Table 337-2,
- 2) Two consecutive test results for gradation on any of the following sieve sizes ($P_{-3/8}$, P_{-4} , and P_{-8}) do not meet the requirements of Table 337-2,

When a LOT is terminated due to a QC failure, stop production of the mixture until the problem is resolved to the satisfaction of the Quality Control Manager(s) and/or Asphalt Plant Level II technician(s) responsible for the decision to resume production after a quality control failure, as identified in 105-8.6.4. In the event that it can be demonstrated that the problem can immediately be or already has been resolved, it will not be necessary to stop production. When a LOT is terminated, make all necessary changes to correct the problem. Do not resume production until appropriate corrections have been made. Inform the Engineer of the problem and corrections made to correct the problem. After resuming production, sample and test the material to verify that the changes have corrected the problem. Summarize this information and provide it to the Engineer prior to the end of the work shift when production resumes.

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In the event that a Quality Control failure is not addressed as defined above, the Engineer's approval will be required prior to resuming production after any future Quality Control failures.

Address any material represented by a failing test result in accordance with 334-5.9.5. Any LOT terminated under this Subarticle will be limited to a maximum Pay Factor of 1.00 (as defined in 337-12.3) for each quality characteristic.

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