



## Asphalt Materials

(Material Ids 234, 287, 334, 337)

### Finalization

#### A. Check to see that the following sample header information is accurate:

- MAC Spec (Make sure the correct version is being used)
- Contract / Project
- Pay Item(s) (if entered)
  - Pay item is not a key field, but it cannot be corrected if it is not entered correctly when the sample is created
- Asphalt Production Facility
- Mix Design
- Date Sample Taken
- FDOT Sample Number
- Sample Level
- Lot / Sublot Numbers
- For the **VT samples only**:
  - Quantity Represented (**Note: This should be the full lot tonnage, not the tonnage represented by the verified subplot**)
  - Sample Quantity Required No Density (if applicable)
  - Alternate Density Sublot Number (if applicable)
  - If a raw data worksheet was used by QC or VT, attach the worksheet to the VT sample

**NOTE:** Do not return the sample for data correction if the Category, Type or Sample Purpose is incorrect. A new sample with the correct key fields must be created and the incorrect sample must be deleted.

#### B. Check the following test data:

- Dates Tests Performed are correct
- Test data (i.e. No.8 sieve, No. 200 Sieve, AC, Gmm and Gmb) on the QC/VT raw data plant worksheets match what is shown in MAC for the lot
- Samples requiring no density testing are properly noted by marking the FM 1-T 166 Gmb Roadway **Test Not Performed** with the Reason of **No Density Testing on Lot** or **Density Not Required**
- Test data is properly reported as passing or failing by reviewing specification requirements.

#### C. Ensure the following qualifications are valid. These would only be returned if the reason for the issue is data entry error. Do not return if the information that triggered the issue is correct:

- Technician qualification status is valid for both the sampler and tester
- Correct TIN number is assigned to each test
- Asphalt Production Facility has an accepted QC program with FDOT
- Testing Laboratory is qualified to perform the applicable test methods

**D. Other Verifications:**

- All sublots are sampled, tested, identified and correct on all samples (Refer to Specifications for frequency of sampling and testing)
- Tests that are not performed have a note explaining the disposition of the material

**Comparison**

**E. Review the comparison results utilizing the MAC Comparison Package for the Comparison Logic listed below:**

Dense Graded	Comparison Logic
Asphalt Content	APW: FM 5-563 (Percent Asphalt Content)
No. 8 Sieve	APW: FM 1-T 030 Superpave Gradation (No. 8 Dense Graded)
No. 200 Sieve	APW: FM 1-T 030 Superpave Gradation (No. 200 Dense Graded)
Maximum Specific Gravity (Gmm)	APW: FM 1-T 209 Maximum Specific Gravity (Average Gmm)
Bulk Specific Gravity – Lab (Gmb)	APW: FM 1-T 166Gmb – Plant (Average Gmb)
Bulk Specific Gravity – Roadway Cores (Gmb)	APW: FM 1-T 166 Gmb – Roadway (Gmb for each core)

Open Graded	Comparison Logic
Asphalt Content	APW: FM 5-563 (Percent Asphalt Content)
No. 3/8 Sieve	APW: FM 1-T 030 Superpave Gradation (3/8" Open Graded and ATPB)
No. 4 Sieve	APW: FM 1-T 030 Superpave Gradation (No. 4 Open Graded)
No. 8 Sieve	APW: FM 1-T 030 Superpave Gradation (No. 8 Open Graded)

- If samples do not compare, follow resolution procedure outlined in the Specifications
- Ensure the Pay Factors and Composite Pay Factor for the Lot properly represent the data entered
- If the Pay Factors or the Composite Pay Factor has been manually updated, ensure there the proper reason for the update is noted