

SECTION 11.7

ASPHALT CONSTRUCTION INFORMATION FOR CONTRACTOR QUALITY CONTROL

11.7.1 PURPOSE

The purpose of this procedure is to describe the Department's role when reviewing and verifying Contractor Quality Control (CQC) documentation, establishing waste asphalt quantities, and processing Resolution Reports for Asphalt Concrete (AC) Gradation, Density Cores, and Composite Pay Factors (CPF).

11.7.2 AUTHORITY

Sections 20.23(3) (a) and [334.048\(3\)](#), Florida Statutes (F.S.)

11.7.3 DEPARTMENT'S VERIFICATION OF QUALITY CONTROL DOCUMENTATION

The Department's Engineer is responsible for reviewing and randomly checking the quantities submitted by the CQC Technician. The Engineer shall collect a copy of the **Asphalt Roadway Daily Report of Quality Control (Form 675-030-020A)** and **Asphalt Plant Worksheet (Form 675-030-25)**. In addition, the Engineer shall collect all asphalt ticket packets associated with these reports. The Engineer is to ensure that the ticket packets for each day's production match these reports.

When an error is detected, the correction will be made on the report for that specific item. For projects let after July 2015 and forward, using the latest **Asphalt Roadway – Daily Report of Quality Control (Form 675-030-20A)**, corrections will be done automatically within the spreadsheet once an error is detected and corrected. Under the "Remarks" section, a notation of the correction should be made. Projects let prior to July 2015 using **Asphalt Plant Worksheet (Form 675-030-20)** shall refer to CPAM Section 11.7 dated 9-3-2013 for error correction procedure.

11.7.4 CONTRACTOR AND DEPARTMENT – WASTE ASPHALT QUANTITY DETERMINATION

It is not necessary to have the Contractor's truck driver return to the plant to determine the amount of asphalt left in the truck as the "Waste" quantity. The Contractor's Quality Control Technician and the Department's Verification Technician (VT) should concur on the estimated amount left in the truck based on one of the following methods:

- (1) The spread rate on the project:

Example:

Determine the waste tonnage with the following information:

- Last load of Asphalt = 21.35 Tons (from Ticket)
- Spread rate on the project = 75 Lbs/SY
- The paved area = 230 SY

$$\begin{aligned}\text{Tonnage Used} &= \frac{(\text{Spread Rate (Lbs/SY)}) (\text{Area Paved (SY)})}{2,000 \text{ Lbs/Ton}} \\ &= \frac{(75 \text{ Lbs/SY})(230 \text{ SY})}{2,000 \text{ Lbs/Ton}} \\ &= 8.63 \text{ Tons}\end{aligned}$$

$$\begin{aligned}\text{Waste Tonnage} &= \text{Original Quantity} - \text{Quantity Used} \\ &= 21.35 - 8.63 = \mathbf{12.72 \text{ Tons}}\end{aligned}$$

- (2) A visual inspection of the remaining asphalt in the truck estimated to the nearest ¼ of a truck load.

11.7.5 RESOLUTION REPORTS FOR AC CONTENT, GRADATION, DENSITY CORES, AND CPFs

When the CQC Technician's results and the Department's VT's results do not compare for a specified test, then a Resolution Test (RT) must be performed, because the Quality Control (QC) results are not verified. The RTs for all sublots in the LOT are run for the property that was (or properties that were) not verified. These RT results are then compared to the QC test results.

If all the RT results compare to the QC test results, then accept and pay on QC Test results.

If the QC Test Results do not compare (even if only one subplot QC and RT do not compare), then accept and pay on RT report results. The cost of the Resolution Testing performed by the Department, that do not favor the QC test results, will be deducted from the Contractor's next

progress estimate. The District Materials Office will provide the resolution results to the Project Administrator (PA) via email. This email will need to be submitted with the **Plan Summary Box** backup documentation to support this deduction.

See Appendix D, Example (1) in **Section 11.4** of this **Manual** for an example of an e-mail from the District Materials Office to the PA with the number of resolution tests and costs. See **Appendix D, Example 2 (A)** and **2 (B)** in **Section 11.4** of this **Manual** for examples of reporting cost of resolution testing in SiteManager.

See the State Materials Office Website at the following URL for the latest resolution testing costs. These testing costs can be found under “Resolution Testing Costs for Contracts Let...”
<http://www.dot.state.fl.us/statematerialsoffice/navigation/documents.shtm>