

Sampling Asphalt Mixtures, Tack Coat and Density Testing

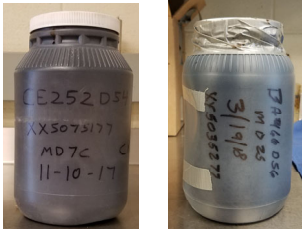
Asphalt Mixture Box Samples



A pair of asphalt box samples are required for each 1,000 tons of asphalt mix placed each day. The contractors sample (QC) and the States sample (QA) must be randomly and **independently** located within the days production and placement. The QC and QA samples are never taken from the same location.

- A second set of samples is not required until production and placement exceeds 1,200 tons.
- No samples are required if production or placement does not reach 200 tons for a single mix unless otherwise directed by the engineer.
- Patching and small tonnage projects utilizing less than 200 tons or non-continuous paving per day of the same mix require at least one sample per 1,000 tons or five days of production, whichever option generates the greatest testing frequency.

Note: Random Asphalt Mixture samples must be taken from behind the paver. No samples shall be taken from bridge approaches, entrances, gore areas, hand work, paver hoppers, the end of paver augers or material placed by Gradalls, wideners, or areas of less than 1,000 ft², etc.



Tack Coat Samples

A one gallon tack sample shall be taken from the distributor and placed in a wide-mouth plastic jug on the first day of surface paving.

- The plastic jug must be labeled on the side of the jug with the contract information, product information and date sampled.
- A material certificate of analysis must be included with the sample and a completed Form 88.

Roadway Core Samples for Density Testing

- Ten cores (5 cores for State testing and 5 cores for Contractors testing) are required for each 2,500 tons of the same mixture placed per day. These two independent sets of cores must be randomly located.
- If cores are waived because of low tonnage (< 200 tons) or for any other reason, nuclear density or non-nuclear testing is required. These test results must be submitted on SHA Form 73 along with Form OOC-90.
- Density testing is required for all patches. This testing will utilize a density gauge, with a test for each layer of each patch. All test readings must be recorded and submitted on SHA Form 73 along with Form OOC-90.
- If cores are used for density testing of patches or other small asphalt mix placement samples no density gauge readings are required to be submitted.