

OHD L-65

ODOT Standard method for Sampling Asphalt Mixtures.

1. SCOPE

- 1.1 This method covers the procedures for sampling asphalt mixtures.
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2. REFERENCED DOCUMENTS

2.1. AASHTO Standards

- R 97, Standard Practice for Sampling Asphalt Mixtures
- R 67, Sampling Asphalt Mixtures After Compaction (Obtaining Cores)

2.2. OHDL Procedures

- OHD L-14, ODOT Standard method of test for bulk specific gravity, percent density, and longitudinal joint density of compacted asphalt mixtures
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3. SCOPE

- 3.1. Obtain samples of un-compacted asphalt mixtures using AASHTO R 97 with the following exceptions:

3.1.1. The following sampling sections of AASHTO R 97 are not acceptable Oklahoma Department of Transportation (ODOT) Sampling Procedures.

- 3.1.1.1. Section 5.5, Sampling from Conveyor Belt Using a Sampling Template
 - 3.1.1.2. Section 5.8, Sampling from a Windrow
 - 3.1.1.3. Section 5.9, Sampling from Roadway before Compaction
 - 3.1.1.4. Section 5.10, Sampling from a Paver (or Material Transfer Device) Hopper.
- 3.1.2 Section 5.6, Sampling from Transport Units at the production facility and using appropriate sampling stands/racks, is the ODOT preferred method.
- 3.1.3 Determine the un-compacted asphalt mixtures locations in accordance with OHD L-56.

- 3.2 Obtain samples of compacted asphalt mixtures using AASHTO R 67 with the following exceptions:
 - 3.2.1 Determine the appropriate number of samples (cores) necessary to perform the needed task. For example, the Resident Engineer's Acceptance Procedure for Roadway Density is three (3) samples (411.04.N.2.b).
 - 3.2.2 Determine the sample (core) locations in accordance with OHD L-56.
 - 3.2.3 When obtaining more than one core per location, cut the cores parallel to the traffic direction. Cores should not be less than 2 inches nor more than 6 inches apart.
 - 3.2.4 Core holes should be filled as soon as possible but within 24 hours of cutting.
 - 3.2.5 Fill core holes using the following procedure guideline:
 - 3.2.5.1 Dry the core hole and using an approved material, tack the inside of the hole completely.
 - 3.2.5.2 When the tack is 'broke', fill the hole in no more than 3-inch layers using HMA / WMA or patching material, compacting each layer before adding additional material. Use an appropriate tamping device to compact each layer.
 - 3.2.5.3 Continue filling and compaction until the material is just above the adjoining surface. Finally, tack the top of the compacted material to ensure the surface is sealed.

REVISION LOG

Revision Date	Revision Description
07/07/2020	New