

IA Checklist

OHD L-65 Standard Method for Sampling Asphalt Mixtures

Procedure		P	F	NA
Sampling from Transport Units				
1	Determine the un-compacted asphalt mixture locations in accordance with OHD L-56. Visually divide the haul unit into approximately three or four equal sections. Remove approximately 0.15 m to 0.3 m (6 to 12 in.) of material from the top of the sampling area.			
2	Obtain an increment from the exposed surface.			
3	Repeat in each of the remaining sections.			
4	Combine the increments to form a sample of the required size			
Procedure		P	F	NA
Sampling Using Attached Sampling Devices				
1	Determine the un-compacted asphalt mixture locations in accordance with OHD L-56. Attached sampling devices are normally permanently attached devices that allow a sampling receptacle to pass perpendicularly through the entire stream of asphalt mixture. The operation of the mechanical sampling system may be hydraulic or pneumatic and allows the sampling receptacle to pass through the stream twice, once in each direction, without overfilling. A sampling device may also divert the entire stream into a sampling receptacle.			
2	Lightly coat the sampling receptacle attached to the sampling device with a release agent or preheat it, or both, to approximate the discharge temperature of the mix.			
3	Pass the receptacle twice through the material perpendicularly without overfilling.			
4	Transfer asphalt mixture from the sample receptacle to the sample container without loss of material.			
5	Repeat until the proper sample size has been obtained			
Procedure		P	F	NA
Sampling from a Paving Auger				
1	Determine the un-compacted asphalt mixture locations in accordance with OHD L-56. Obtain samples from the end of the auger using a square head shovel.			
2	Place the shovel in front of the auger extension, with the shovel blade flat upon the surface to be paved over.			
3	Allow the front face of the auger stream to cover the shovel with asphalt mixture, remove the shovel before the auger reaches it by lifting as vertical as possible. Place asphalt mixture in a sample container.			
4	Combine the sample increments to form a sample of the required size.			

Procedure		P	F	NA
Stockpiles: Sampling from a Flat Surface Created by a Loader				
1	Determine the un-compacted asphalt mixture locations in accordance with OHD L-56. Direct the loader operator to enter the stockpile with the bucket at least 0.3 m (1 ft.) above ground level without contaminating the stockpile. Obtain a full loader bucket of the asphalt mixture; tilt the bucket back and up.			
2	Form a small sampling pile at the base of the stockpile by gently rolling the asphalt mixture out of the bucket with the bucket just high enough to permit free-flow of the mixture. Repeat as necessary.			
3	Create a flat surface by having the loader "back-drag" the small pile.			
4	Obtain approximately equal increments from at least three randomly selected locations on the flat surface at least 1 ft. from the edge.			
5	Full insert the shovel, exclude the underlying material, roll back the shovel and lift the asphalt mixture slowly out of the pile to avoid mixture rolling off the shovel.			
6	Combine the sample increments to form a sample of the required size.			
Procedure		P	F	NA
Stockpiles: Sampling from a Horizontal Surface on the Stockpile Face				
1	Determine the un-compacted asphalt mixture locations in accordance with OHD L-56. Create horizontal surfaces with vertical faces in the top, middle, and bottom third of the stockpile with a shovel or a loader if one is available.			
2	Shove a flat board against the vertical face behind the sampling location to prevent sloughing of asphalt mixture. Discard the sloughed mixture to create the horizontal surface			
3	Obtain the sample from the horizontal surface as close to the intersection as possible of the horizontal and vertical faces.			
4	Obtain at least one sample increment of equal size from each of the top, middle, and bottom thirds of the pile as shown in figure 3.			
5	Combine the sample increments to form a single sample of the required size.			

Procedure		P	F	NA
Sampling Compacted Asphalt Mixtures				
1	Determine the sample (core) locations in accordance with OHD L-56.			
2	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 samples (411.04.N.2.b).			
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.			
4	Core holes should be filled as soon as possible, but within 24 hours of cutting.			