

# Materials Sampling Guide

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### Section 3

#### Asphaltic Concrete

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DATE: 08-23-00  
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<b>Minimum Material Certificate, Sample and Inspection Requirements</b>							
MATERIAL	TYPE OF TEST	Q.C. SAMPLING AND TESTING BY CONTRACTOR	VERIFICATION SAMPLING AND TESTING BY NDOR			LOCATION OF ADDITIONAL INFORMATION	
			FIELD PERSONNEL	BRANCH LAB	LINCOLN LAB	NOTE No.	PAGE No.
Section 3 – Asphaltic Concrete			FIELD PERSONNEL	BRANCH LAB	LINCOLN LAB	NOTE No.	PAGE No.
1) Asphaltic Concrete Type SP1-SP5	Air Void VMA VFA Binder % FAA CAA Gradation	See Specifications, Supplemental Specifications and/or Project Special Provisions. (Normally one per 750 ton sub-lot)	Insure a sample for each 750 ton sub-lot is retained by the contractor for possible Branch Lab testing.	One sample representing a 750 ton sub-lot will be tested for each 3750 ton lot.	Testing and sampling only for dispute resolution.	3	4
	Tensile Strength Ratio (TSR) T-283	-----	Sample to be submitted to the Lincoln Lab if requested by the Materials and Research Division.	-----	Testing for mix design compliance & Lot Field Production. A Sample consisting of six specimens, is required from the first lot of field production.	3	4
2) Asphaltic Concrete Type SPS	Air Void Gradation Binder %	See Specifications, Supplemental Specifications and/or Project Special Provisions. (Normally one per 750 ton sub-lot)	Insure a sample for each 750 ton sub-lot is retained by the contractor for possible Branch Lab testing.	One sample representing a 750 ton sub-lot will be tested for each 3750 ton lot.	Testing and sampling only for dispute resolution.	3	4
3) Asphaltic Concrete Type SPL	Air Void Gradation Brg. Cap. FAA CAA Binder %	See Specifications, Supplemental Specifications and/or Project Special Provisions. (Normally one per 750 ton sub-lot)	Insure a sample for each 750 ton sub-lot is retained by the contractor for possible Branch Lab testing.	One sample representing a 750 ton sub-lot will be tested for each 3750 ton lot. All Bearing Capacity Samples will be shipped to the Lincoln Lab for testing.	Testing and sampling only for dispute resolution. All Bearing Capacity Samples will be tested at the Lincoln Lab.	3	4
4) Asphaltic Concrete Mixtures	Density	See Specifications, Supplemental Specifications and/or Project Special Provisions. (Normally one per 750 ton sub-lot)	See Specifications, Supplemental Specifications and/or Project Special Provisions.	Testing and sampling only for dispute resolution.	Testing and sampling only for dispute resolution.	---	---

Minimum Material Certificate, Sample and Inspection Requirements							
MATERIAL	TYPE OF TEST	Q.C. SAMPLING AND TESTING BY CONTRACTOR	VERIFICATION SAMPLING AND TESTING BY NDOR			LOCATION OF ADDITIONAL INFORMATION	
Section 3 – Asphaltic Concrete			FIELD PERSONNEL	BRANCH LAB	LINCOLN LAB	NOTE No.	PAGE No.
5) AC Pavement	Surface Smoothness	Contractor performs all QC pavement smoothness testing specified in the NDOR Standard Specifications for Highway Construction and/or Project Special Provisions.	<p>Approximately 10 percent of contractor's results shall be randomly verified.</p> <p>Project personnel will submit requests for pavement smoothness verification testing to the following individuals:  <u>District 1,2,4,5,6,7,8</u>            Ron Bohling, Lincoln.  <u>District 3</u>            Kevin Domogalla, Norfolk.</p> <p>Submit requests at least 7 days in advance to allow for scheduling.</p>	-----	-----	-----	-----
6) Hydrated Lime or Pebble Quicklime	Quality	-----	<p>Project personnel will supply one one-pound sample for each 1000 tons (minimum of three samples per project) of material used to perform the testing shown under the Lincoln Lab column.            (Place the lime in a plastic bag before putting in the cloth sample bags).</p>	-----	<p>One one-pound sample for each 1000 tons (minimum of three samples per project) of material used for quality tests.</p>	-----	-----