

JCS  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS-MATERIALS AND TESTS UNIT  
 SOILS TEST REPORT-SOILS LABORATORY

<b>T.I.P. ID #:</b>	5053/4513
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<b>REPORT ON SAMPLES OF:</b>	Soils for Quality
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<b>PROJECT:</b>	NCGS	<b>COUNTY:</b>	McDowell / Haywood	<b>Owner:</b>	NCGS
<b>DATE SAMPLED:</b>		<b>DATE RECEIVED:</b>	4.15.09	<b>DATE REPORTED:</b>	4.29.09
<b>SAMPLED FROM:</b>		<b>SAMPLED BY:</b>	J. C. Kuhne		
<b>SUBMITTED BY:</b>	W. D. Frye	<b>2002</b>	<b>STANDARD SPECIFICATION</b>		
<b>LABORATORY:</b>	Asheville				

### TEST RESULTS

Project Sample No.			20090109	0210A	0210B	0210C	0210D	0210E
<b>Lab Sample No. A</b>			160334	160335	160336	160337	160338	160339
<b>HiCAMS Sample #</b>	--	--	--	--	--	--	--	--
<b>Retained #4 Sieve %</b>			8.2	15.3	6.3	6.9	6.0	4.3
<b>Passing #10 Sieve %</b>			77	71	83	74	68	74
<b>Passing #40 Sieve %</b>			54	55	63	53	49	47
<b>Passing #200 Sieve %</b>			31	35	30	30	25	29

### MINUS #10 FRACTION

<b>Soil Mortar - 100 %</b>								
<b>Coarse Sand -Ret. #60</b>			42	33	38	40	46	46
<b>Fine Sand - Ret. #270</b>			21	19	31	27	20	18
<b>Silt 0.05-0.005 mm %</b>			23	32	19	17	16	20
<b>Clay &lt; 0.005 mm %</b>			14	16	12	16	18	16
<b>Passing # 40 Sieve %</b>	--	--	--	--	--	--	--	--
<b>Passing # 200 Sieve %</b>	--	--	--	--	--	--	--	--

<b>Liquid Limit</b>			38	34	35	35	33	39
<b>Plastic Index</b>			NP	NP	NP	NP	NP	NP
<b>AASHTO Classification</b>			A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-1-b (0)	A-2-4 (0)
<b>Quantity</b>								
<b>Texture</b>								
<b>Station</b>								
<b>Hole No.</b>								
<b>Depth (ft) From:</b>			0.0	0.0	5.5	3.0	0.5	0.0
<b>To:</b>			1.0	1.5	7.0	5.5	1.2	0.5
			OK	OK	OK	OK	OK	OK

**Remarks:**

A-160332 - 160339

**CC:**

<b>J. C. Kuhne</b>	
<b>File</b>	

<b>SOILS ENGINEER:</b>	
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