

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

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T.I.P. ID #: B-4010

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REPORT ON SAMPLES OF: Soil for Classification

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PROJECT:	8.1711401	COUNTY:	Ashe	Owner:	--
DATE SAMPLED:	3-3-03	DATE RECEIVED:	4-1-03	DATE REPORTED:	4-7-03
SAMPLED FROM:	Rdwy -L-	SAMPLED BY:	L L Acker		
SUBMITTED BY:	W D Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

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LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-14A	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
Lab Sample No. A-	140905	140906	140907	140908	140909	140910	140911	140912
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	100	98	100	94	78	10	100	100
Passing #40 Sieve %	100	93	92	81	65	96	96	97
Passing #200 Sieve %	54	56	19	34	30	47	53	70

TEST RESULTS

Project Sample No.	SS-22							
Lab Sample No. A-	140913							
HiCAMS Sample #	--							
Retained #4 Sieve %	--							
Passing #10 Sieve %	100							
Passing #40 Sieve %	98							
Passing #200 Sieve %	75							

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	11	13	34	25	27	15	8	10
Fine Sand - Ret. #270	46	34	52	51	52	47	59	26
Silt 0.05-0.005 mm %	17	25	8	18	17	16	29	36
Clay < 0.005 mm %	26	28	6	6	4	22	4	28
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	6							
Fine Sand - Ret. #270	23							
Silt 0.05-0.005 mm %	17							
Clay < 0.005 mm %	54							
Passing # 40 Sieve %	--							
Passing # 200 Sieve %	--							

Liquid Limit	34	40	18	34	32	40	34	48
Plastic Index	5	7	NP	NP	NP	7	NP	12
AASHTO Classification	A-4 (4)	A-4 (4)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-4 (2)	A-4 (3)	A-7-5 (9)
Quantity								
Texture								
Station	12+50 Rt	23+00 Rt	23+00 kRt	23+00 Rt	23+00 Rt	24+00 Rt	24+00 Rt	26+00 Rt
Hole No.								
Depth (ft) From:	4.9	0.0	4.5	9.5	14.5	4.4	9.4	0.0
To:	6.4	1.5	6.0	11.0	16.0	5.9	10.9	1.5

Liquid Limit	48							
Plastic Index	11							
AASHTO Classification	A-7-5 (10)							
Quantity								
Texture								
Station	26+00 Rt							
Hole No.								
Depth (ft) From:	4.7							
To:	6.2							

Remarks:  
 A-140889 thru A-140913

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 A-140889 thru A-140913

CC:  
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 J J Lail  
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SOILS ENGINEER:

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