

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

T.I.P. ID #:	B-4010
REPORT ON SAMPLES OF:	Soil for Classification

PROJECT:	8.1711401	COUNTY:	Ashe	Owner:	--
DATE SAMPLED:	3-3-03	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				

TEST RESULTS

Project Sample No.	SS-1	MS-1	SS-2	MS-2	SS-3	SS-4	SS-5	SS-6
Lab Sample No. A-	140889	140890	140891	140892	140893	140894	140895	140896
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	98		98		88	92	90	95
Passing #40 Sieve %	88		87		79	86	84	88
Passing #200 Sieve %	59		53		53	58	48	55

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	16		18		15	11	12	13
Fine Sand - Ret. #270	43		46		39	40	55	38
Silt 0.05-0.005 mm %	27		26		28	25	27	23
Clay < 0.005 mm %	14		10		18	24	6	26
Passing # 40 Sieve %	--		--		--	--	--	--
Passing # 200 Sieve %	--		--		--	--	--	--

Liquid Limit	26		24		29	39	30	35
Plastic Index	NP		NP		2	9	NP	11
AASHTO Classification	A-4 (5)		A-4 (4)		A-4 (4)	A-4 (4)	A-4 (3)	A-6 (5)
Quantity								
Texture								
Station	16+00 Rt	18+00 Rt	16+00 Rt	18+00 Rt	17+00 Rt	16+50 Rt	16+50 Rt	18+00 Rt
Hole No.								
Depth (ft) From:	0.5	2.0	3.0	9.2	1.0	0.0	4.2	0.0
To:	1.5	4.0	4.0	10.7	3.0	1.5	5.7	1.5
% Moisture		13.2		6.0				

Remarks:

A-140889 thru A-140913

CC:

W D Frye	
J J Lail	
File	

SOILS ENGINEER:

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LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14
Lab Sample No. A-	140897	140898	140899	140900	140901	140902	140903	140904
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	97	98	89	74	94	100	100	80
Passing #40 Sieve %	91	90	84	67	88	100	87	63
Passing #200 Sieve %	57	34	40	28	39	82	31	20

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	13	19	12	17	13	1	26	36
Fine Sand - Ret. #270	39	59	60	59	66	33	54	48
Silt 0.05-0.005 mm %	22	16	22	14	15	34	14	12
Clay < 0.005 mm %	26	6	6	10	6	32	6	4
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	32	30	34	31	37	44	50	23
Plastic Index	6	NP	NP	NP	NP	12	NP	NP
AASHTO Classification	A-4 (4)	A-2-4 (0)	A-4 (1)	A-2-4 (0)	A-4 (1)	A-7-5 (9)	A-2-5 (0)	A-2-4 (0)
Quantity								
Texture								
Station	18+00 Rt	18+00 Rt	18+00 Rt	18+50 Rt	18+50 Rt	13+50 Rt	13+50 Rt	13+50 Rt
Hole No.								
Depth (ft) From:	2.0	4.2	9.2	0.0	3.4	0.0	4.9	9.9
To:	4.0	5.7	10.7	1.5	4.9	1.5	6.4	11.4

Remarks:

A-140889 thru A-140913

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