

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

T.I.P. ID #: R-0977A

REPORT ON SAMPLES OF: Soil for Classification

PROJECT:	8.1910203	COUNTY:	Cherokee	Owner:	--
DATE SAMPLED:	2-4-04	DATE RECEIVED:	2-12-04	DATE REPORTED:	2-23-04
SAMPLED FROM:	Bridge Foundation	SAMPLED BY:	P Q Lockamy		
SUBMITTED BY:	W D Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Lab Sample No. A-	144446	144447	144448	144449	144450	144451	144452	144453
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	100	100	100	65	99	99	63	100
Passing #40 Sieve %	100	98	98	56	96	96	56	96
Passing #200 Sieve %	70	37	47	22	57	52	24	47

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	3	20	11	46	9	7	23	17
Fine Sand - Ret. #270	43	48	51	24	44	53	48	51
Silt 0.05-0.005 mm %	16	8	4	8	17	12	7	4
Clay < 0.005 mm %	38	24	34	22	30	28	22	28
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	37	26	35	34	41	44	55	35
Plastic Index	9	NP	NP	NP	13	NP	NP	NP
AASHTO Classification	A-4 (7)	A-4 (0)	A-4 (2)	A-2-4 (0)	A-7-6 (6)	A-5 (4)	A-2-5 (0)	A-4 (2)
Quantity								
Texture								
Station	16+47.66	16+47.66	17+13.15	17+13+145	17+07.66	15+46.66	15+52.15	15+52.15
Hole No.	Rt B2-B	Rt B2-B	Lt EB2-A	Lt EB2-A	Rt EB2-B	Lt B1-B	Lt B1-A	Lt B1-A
Depth (m) From:	1.50	3.02		2.40	1.59	1.38	3.17	3.47
To:	1.95	3.47		2.85	2.04	1.83	3.47	3.62

Remarks:

CC:

W D Frye	
J J Lail	
File	

SOILS ENGINEER: