

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY  
MATERIALS & TESTS UNIT  
SOILS LABORATORY**

T. I. P. No. B-3663

**REPORT ON SAMPLES OF SOILS FOR QUALITY**

**Project** 33208.1.1      **County** HENDERSON      **Owner** \_\_\_\_\_  
**Date: Sampled** 4/4/04      **Received** 4/8/04      **Reported** 4/14/2004  
**Sampled from** \_\_\_\_\_      **By** J.W. MANN  
**Submitted by** N.W. WAINAINA      1995 Standard Specifications

712999 TO 713004  
4/20/04

**TEST RESULTS**

Proj. Sample No.		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6
Lab. Sample No.		712999	713000	713001	713002	713003	713004
Retained #4 Sieve	%	-	-	4	-	9	-
Passing #10 Sieve	%	100	100	85	100	84	95
Passing #40 Sieve	%	100	94	68	94	46	84
Passing #200 Sieve	%	74	17	33	47	10	39

**MINUS NO. 10 FRACTION**

SOIL MORTAR - 100%							
Coarse Sand Ret - #60	%	2.6	24.5	31.3	18.0	63.9	21.8
Fine Sand Ret - #270	%	32.7	63.2	37.6	41.6	28.3	49.7
Silt 0.05 - 0.005 mm	%	30.3	8.2	23.0	32.3	6.8	25.5
Clay < 0.005 mm	%	34.3	4.0	8.1	8.1	1.0	3.0
Passing #40 Sieve	%	-	-	-	-	-	-
Passing #200 Sieve	%	-	-	-	-	-	-

L. L.		37	32	33	49	27	35
P. I.		12	NP	NP	NP	NP	NP
AASHTO Classification		A-6(8)	A-2-4(0)	A-2-4(0)	A-5(0)	A-1-b(0)	A-4(0)
Station		13+50	13+50	13+50	14+00	12+00	12+75
		CL	CL	CL	CL	CL	15 LT
Hole No.							
Depth (Ft)		2.80	7.80	12.80	7.20	7.60	14.80
	to	4.30	9.30	14.30	8.70	9.10	16.30

cc: J.W. MANN  
Soils File