

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

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T. I. P. No. B-4152

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REPORT ON SAMPLES OF SOILS FOR QUALITY

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Project 33501.1.1 County HOKE Owner \_\_\_\_\_  
 Date: Sampled 11/19/04 Received 12/14/04 Reported 12/16/2004  
 Sampled from \_\_\_\_\_ By J E BEVERLY  
 Submitted by N WAINAINA \_\_\_\_\_ 1995 Standard Specifications

Project 33501.1.1 County HOKE Owner \_\_\_\_\_  
 Date: Sample 11/19/04 Received 12/14/04 Reported 12/16/2004  
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718658 TO 718672  
 2/17/05

2/17/05

TEST RESULTS

Proj. Sample No.	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6
Lab. Sample No.	718658	718659	718660	718661	718662	718663
Retained #4 Sieve %	1	-	-	-	1	-
Passing #10 Sieve %	88	100	97	100	93	97
Passing #40 Sieve %	59	95	24	62	85	70
Passing #200 Sieve %	11	27	7	8	53	13

TEST RESULTS

SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15
						718664	718665	718666
-	-	1	-	2	-	1	-	-
100	95	99	100	97	95	93	100	100
63	57	98	100	90	68	55	76	98
31	13	52	39	24	23	24	28	91

MINUS NO. 10 FRACTION

SOIL MORTAR - 100%						
Coarse Sand Ret - #60 %	56.0	20.3	87.2	87.7	13.7	54.0
Fine Sand Ret - #270 %	33.8	58.4	5.8	4.6	35.9	34.6
Silt 0.05 - 0.005 mm %	2.1	13.2	0.9	2.6	18.2	3.3
Clay < 0.005 mm %	8.1	8.1	6.0	5.0	32.2	8.1
Passing #40 Sieve %	-	-	-	-	-	-
Passing #200 Sieve %	-	-	-	-	-	-

MINUS NO. 10 FRACTION

56.0	58.8	1.8	1.8	17.7	58.8	59.9	47.0	3.2
13.3	30.0	58.4	64.8	59.6	17.1	15.8	25.4	7.0
2.5	5.1	21.7	14.3	6.5	0.9	4.1	3.4	11.2
28.2	6.0	18.1	19.1	16.1	23.2	20.1	24.2	78.5
						-	-	-
						-	-	-

L. L.	18	30	Not	21	52	21
P. I.	NP	NP	Enough	NP	38	NP
AASHTO Classification	A-2-4(0)	A-2-4(0)	Material	A-3(0)	A-7-6(15)	A-2-4(0)
Station	14+20	14+20	For	14+20	14+20	14+20
	13.2 RT	13.2 RT	Testing	13.2 RT	13.2 RT	13.2 RT
Hole No.						
Depth (Ft)	5.70		15.70	25.70	30.70	35.70
	to		16.70	26.70	31.70	36.70

33	17	33	18	18	34	29	27	50
17	NP	NP	NP	NP	19	13	8	27
A-2-6(1)	A-2-4(0)	A-4(0)	A-4(0)	A-2-4(0)	A-2-6(1)	A-2-6(0)	A-2-4(0)	A-7-6(27)
14+20	14+20	14+20	14+20	15+20	14+97	14+97	14+97	14+97
13.2 RT	12.7 LT	12.7 LT	12.7 LT	10.7	10.5 RT	10.5	10.5	10.5
40.70	6.00	11.00	16.00	16.00	25.20	30.20	45.20	55.20
41.70	7.00	12.00	17.00	17.00	26.20	31.20	46.20	56.20

cc: J E BEVERLY  
 Soils File