

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

T. I. P. No. R-2562C

REPORT ON SAMPLES OF SOILS FOR QUALITY

Project 34467.1.6 County BLADEN Owner _____
 Date: Sampled 1/4/04 Received 1/30/04 Reported 2/3/2004
 Sampled from -L- By K.B. MILLER
 Submitted by N.W. WAINAINA 1995 Standard Specifications

711069 TO 711082
 5/19/04

TEST RESULTS

Proj. Sample No.	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17
Lab. Sample No.	711069	711070	711071	711072	711073	711074
Retained 4.75 mm Sieve %	-	-	-	-	-	-
Passing 2.00 mm Sieve %	100	100	97	100	99	96
Passing 425 µm Sieve %	88	96	53	79	89	57
Passing 75 µm Sieve %	16	13	9	11	62	23

MINUS 2.00 mm FRACTION

SOIL MORTAR - 100%							
Coarse Sand Ret - 250 µm %	29.8	7.3	70.3	39.2	17.6	56.2	
Fine Sand Ret - 53 µm %	55.1	81.4	21.6	50.7	29.4	20.6	
Silt 0.05 - 0.005 mm %	3.0	5.3	0.0	0.0	22.7	1.0	
Clay < 0.005 mm %	12.1	6.1	8.1	10.1	30.4	22.2	
Passing 425 µm Sieve %	-	-	-	-	-	-	
Passing 75 µm Sieve %	-	-	-	-	-	-	

L. L.	23	26	20	22	42	34
P. I.	NP	NP	NP	NP	29	21
AASHTO Classification	A-2-4(0)	A-2-4(0)	A-3(0)	A-2-4(0)	A-7-6(15)	A-2-6(1)
Station	179+12	179+12	179+12	179+12	179+12	179+12
Offset	18.5m RT	18.5m RT	18.5m RT	18.5m RT	18.5m RT	18.5m RT
Hole No.	EBX	EBX	EBX	EBX	EBX	EBX
Depth (M)	1.22	2.53	4.06	5.58	7.10	8.63
to	1.68	2.99	4.52	6.04	7.56	9.09

cc: K.B. MILLER
 Soils File

NCDOT SOILS LAB
 Soils Engineer

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SHEET NO.	TOTAL SHEETS
41	46

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TEST RESULTS

Proj. Sample No.	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23
Lab. Sample No.	711075	711076	711077	711078	711079	711080
Retained 4.75 mm Sieve %	-	-	1	-	-	-
Passing 2.00 mm Sieve %	98	96	92	100	100	100
Passing 425 µm Sieve %	85	43	33	96	94	98
Passing 75 µm Sieve %	30	11	16	17	13	75

MINUS 2.00 mm FRACTION

SOIL MORTAR - 100%							
Coarse Sand Ret - 250 µm %	21.3	86.1	75.8	19.2	44.4	4.3	
Fine Sand Ret - 53 µm %	53.6	3.8	8.1	66.2	43.4	46.0	
Silt 0.05 - 0.005 mm %	4.9	0.0	2.0	2.4	0.0	21.5	
Clay < 0.005 mm %	20.2	10.1	14.1	12.1	12.1	28.3	
Passing 425 µm Sieve %	-	-	-	-	-	-	
Passing 75 µm Sieve %	-	-	-	-	-	-	

L. L.	30	23	30	24	22	43
P. I.	11	NP	15	NP	NP	24
AASHTO Classification	A-2-6(0)	A-1-b(0)	A-2-6(0)	A-2-4(0)	A-2-4(0)	A-7-6(17)
Station	179+12	179+12	179+12	179+12	179+12	179+12
Offset	18.5m RT	18.5m RT	18.5m RT	18.5m RT	18.5m RT	18.5m RT
Hole No.	EBX	EBX	EBX	EBX	EBX	EBX
Depth (M)	11.68	13.20	16.25	19.29	22.34	23.86
to	12.14	13.66	16.71	19.75	22.80	24.32

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