

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

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

T. I. P. No. B-3667

REPORT ON SAMPLES OF SOILS FOR QUALITY

Project 8.2960801 County JACKSON Owner
Date: Sampled 12/3/04 Received 1/8/04 Reported 1/12/2004
Sampled from EB2-B By P.Q. LOCKAMY
Submitted by 1995 Standard Specifications

710722 TO 710726
2/9/04

TEST RESULTS

Proj. Sample No.	SS-1	SS-2	SS-3	SS-5	SS-7
Lab. Sample No.	710722	710723	710724	710725	710726
Retained #4 Sieve %	11	-	-	-	1
Passing #10 Sieve %	87	98	98	98	95
Passing #40 Sieve %	71	73	88	85	82
Passing #200 Sieve %	41	19	30	23	26

MINUS NO. 10 FRACTION

SOIL MORTAR - 100%						
Coarse Sand Ret - #60 %	29.2	49.9	24.9	29.0	29.6	
Fine Sand Ret - #270 %	27.8	34.1	50.9	55.0	49.5	
Silt 0.05 - 0.005 mm %	12.6	3.9	14.0	9.9	10.8	
Clay < 0.005 mm %	30.4	12.2	10.1	6.1	10.1	
Passing #40 Sieve %	-	-	-	-	-	
Passing #200 Sieve %	-	-	-	-	-	

L. L.	43	37	44	46	49
P. I.	22	NP	NP	NP	NP
AASHTO Classification	A-7-6(4)	A-2-4(0)	A-2-5(0)	A-2-5(0)	A-2-5(0)
Station	15+92	15+92	15+92	15+92	15+92
	2 RT	2 RT	2 RT	2 RT	2 RT
Hole No.	EB2-B	EB2-B	EB2-B	EB2-B	EB2-B
Depth (Ft)	4.50	9.50	14.50	29.50	39.50
to	6.00	10.50	16.00	31.00	41.00

cc: P. Q. LOCKAMY
J. MANN
Soils File

T.I.P. ID #: _____

REPORT ON SAMPLES OF: Soil for Classification

PROJECT:	8.2960801	COUNTY:	Jackson	Owner:	--
DATE SAMPLED:	1-20-04	DATE RECEIVED:	1-30-04	DATE REPORTED:	2-5-04
SAMPLED FROM:	Rdwy SR 1131	SAMPLED BY:	J W Mann		
SUBMITTED BY:	W D Frue	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15
Lab Sample No. A-	144312	144313	144314	144315	144316	144317	144318	144319
HICAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	77	92	56	93	95	94	92	31
Passing #40 Sieve %	63	78	41	80	81	72	74	19
Passing #200 Sieve %	32	41	14	41	33	26	32	5

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	31	29	45	24	28	37	31	55
Fine Sand - Ret. #270	32	31	35	42	46	43	44	32
Silt 0.05-0.005 mm %	17	12	8	24	18	14	17	9
Clay < 0.005 mm %	20	28	12	10	8	6	8	4
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	38	32	26	38	35	35	30	25
Plastic Index	16	11	NP	NP	NP	NP	NP	NP
AASHTO Classification	A-2-6 (1)	A-6 (1)	A-1-b (0)	A-4 (1)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-1-a(0)
Quantity								
Texture								
Station	15+92 Rt	12+21 Rt	12+21 Rt	12+21 Rt	12+21 Rt	12+21 Rt	12+21 Rt	12+75 Rt
Hole No.								
Depth (ft) From:	20.1	536.3	10.8	30.8	35.8	40.8	55.8	10.3
To:	21.6	637.3	12.3	32.3	37.3	42.3	57.3	11.8

Remarks:
A-144312 thru A-144323

CC:
W D Frye
J J Lail
File

SOILS ENGINEER: _____