

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

T.I.P. ID #: B-3310

REPORT ON SAMPLES OF: Soil for Classification

PROJECT:	8.2843601	COUNTY:	Buncombe	Owner:	--
DATE SAMPLED:	8-21-03	DATE RECEIVED:	8-28-03	DATE REPORTED:	9-18-03
SAMPLED FROM:	Rdwy -L-	SAMPLED BY:	C A Dunnagan		
SUBMITTED BY:	W F Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-1	SS-2	SS-3	SS-4				
Lab Sample No. A-	142873	142874	142875	142876				
HiCAMS Sample #	--	--	--	--				
Retained #4 Sieve %	--	--	--	--				
Passing #10 Sieve %	89	72	58	95				
Passing #40 Sieve %	84	46	37	74				
Passing #200 Sieve %	30	16	14	29				

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	29	50	49	37				
Fine Sand - Ret. #270	48	34	34	42				
Silt 0.05-0.005 mm %	17	12	13	17				
Clay < 0.005 mm %	6	4	4	4				
Passing # 40 Sieve %	--	--	--	--				
Passing # 200 Sieve %	--	--	--	--				

Liquid Limit	29	33	39	40				
Plastic Index	NP	NP	NP	NP				
AASHTO Classification	A-2-4 (0)	A-1-b (0)	A-1-b (0)	A-2-4 (0)				
Quantity								
Texture								
Station	18+87 Rt	18+87 Rt	19+25 Lt	20+31 Rt				
Hole No.								
Depth (ft) From:	10.4	14.9	20.2	10.1				
To:	11.4	16.1	21.2	11.1				

Remarks:

CC:

W D Frye	
J J Lail	
File	

SOILS ENGINEER:

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LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-5	SS-6						
Lab Sample No. A-	143011	143012						
HiCAMS Sample #	--	--						
Retained #4 Sieve %	--	--						
Passing #10 Sieve %	100	99						
Passing #40 Sieve %	82	76						
Passing #200 Sieve %	34	29						

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	36	40						
Fine Sand - Ret. #270	39	37						
Silt 0.05-0.005 mm %	19	17						
Clay < 0.005 mm %	6	6						
Passing # 40 Sieve %	--	--						
Passing # 200 Sieve %	--	--						

Liquid Limit	36	35						
Plastic Index	NP	NP						
AASHTO Classification	A-2-4 (0)	A-2-4 (0)						
Quantity								
Texture								
Station	19+63 Rt	19+63 Rt						
Hole No.								
Depth (ft) From:	4.7	9.7						
To:	5.7	10.7						

Remarks:

CC:

W D Frye	
J J Lail	
File	

SOILS ENGINEER: