

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

T.I.P. ID #: B-3714

REPORT ON SAMPLES OF: Soils for Classification

PROJECT:	8.1761801	COUNTY:	Wilkes	Owner:	--
DATE SAMPLED:	6-16-03	DATE RECEIVED:	6-16-03	DATE REPORTED:	6-18-03
SAMPLED FROM:	-Det-	SAMPLED BY:	C. A. Dunnagan		
SUBMITTED BY:	W. D. Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Lab Sample No. A	141873	141874	141875	141876	141877	141878	141879	141880
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	100	100	98	97	97	100	85	100
Passing #40 Sieve %	98	96	94	92	89	93	78	97
Passing #200 Sieve %	30	52	48	47	39	38	48	38

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	13	12	13	12	19	18	16	11
Fine Sand - Ret. #270	69	52	57	57	55	60	35	62
Silt 0.05-0.005 mm %	8	28	26	25	20	18	17	15
Clay < 0.005 mm %	10	8	4	6	6	4	32	12
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	27	32	25	32	33	27	37	27
Plastic Index	NP	NP	NP	NP	NP	NP	11	NP
AASHTO Classification	A-2-4 (0)	A-4 (3)	A-4 (3)	A-4 (2)	A-4 (1)	A-4 (1)	A-6 (3)	A-4 (1)
Quantity								
Texture								
Station	16+45 LT	16+45 LT	16+45 LT	16+45 LT	16+45 LT	16+45 LT	16+32 RT	16+32 RT
Hole No.	DOT EBI-A(DET)	DOT EBI-A(DET)	DOT EBI-A(DET)	DOT EBI-A(DET)	DOT EBI-A(DET)	DOT EBI-A(DET)	DOT EBI-B	DOT EBI-B
Depth (ft) From:								
To:	4.2	9.2	14.2	19.2	24.2	53.8	3.9	13.9
	5.2	10.2	15.2	20.2	25.2	54.8	4.9	14.9

Remarks:

A-141873 - A-141889

CC:

W. D. Frye	
J. J. Lail	
File	

SOILS ENGINEER:

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SUBMITTED BY:	W. D. Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

TEST RESULTS

Project Sample No.	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16
Lab Sample No. A	141881	141882	141883	141884	141885	141886	141887	141888
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	100	99	100	99	100	99	97	97
Passing #40 Sieve %	92	95	99	98	98	98	95	81
Passing #200 Sieve %	41	45	59	60	53	54	46	58

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	19	14	6	6	9	6	10	30
Fine Sand - Ret. #270	54	55	43	46	57	60	65	42
Silt 0.05-0.005 mm %	23	25	25	24	30	28	19	22
Clay < 0.005 mm %	4	6	26	24	4	6	6	6
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	28	29	43	31	28	26	26	41
Plastic Index	NP	NP	11	2	NP	NP	NP	NP
AASHTO Classification	A-4 (1)	A-4 (2)	A-7-5 (6)	A-4 (5)	A-4 (4)	A-4 (4)	A-4 (2)	A-5 (1)
Quantity								
Texture								
Station	16+32 RT	16+32 RT	17+87 LT	17+87 LT	17+87 LT	17+87 LT	17+87 LT	17+77 RT
Hole No.	DOT EBI-B	DOT EBI-B	DOT EB2-A	DOT EB2-A	DOT EB2-A	DOT EB2-A	DOT EB2-A	DOT EB2-B
Depth (ft) From:								
To:	28.4	53.4	9.7	14.7	19.7	44.7	54.2	-L-
	28.7	53.7	10.7	15.7	20.7	45.7	55.5	-L-

Remarks:

A-141873 - A-141889

CC:

W. D. Frye	
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File	

SOILS ENGINEER: