

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

T.I.P. ID #: B-3470

REPORT ON SAMPLES OF: Soils for Classification

PROJECT:	8.1944601	COUNTY:	Haywood	Owner:	--
DATE SAMPLED:	11-2-02	DATE RECEIVED:	11-25-02	DATE REPORTED:	12-9-02
SAMPLED FROM:	Rdwy - Bridge Foundation	SAMPLED BY:	J W Mann		
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-	139931	139932	139933	139934	139935	139936	139937	139938
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	99	99	28	97	92	83	69	70
Passing #40 Sieve %	94	88	16	78	61	55	52	56
Passing #200 Sieve %	58	34	4	30	26	25	16	28

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	10	27	60	34	47	47	44	35
Fine Sand - Ret. #270	46	47	31	46	33	30	41	31
Silt 0.05-0.005 mm %	30	16	3	16	14	15	11	12
Clay < 0.005 mm %	14	10	6	4	6	8	4	22
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	45	34	24	39	28	26	28	39
Plastic Index	NP	NP	NP	NP	NP	NP	NP	11
AASHTO Classification	A-5 (5)	A-2-4 (0)	A-1-a (0)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-2-6 (0)
Quantity								
Texture								
Station	17+78 Rt	15+78 Rt	15+78 Rt	15+78 Rt	15+78 Rt	15+78 Rt	14+58 Rt	14+58 Rt
Hole No.	EB2-B	EB2-B	EB2-B	EB2-B	EB2-B	EB2-B	EB1-B	EB1-B
Depth (ft) From:	6.9	9.4	14.4	24.4	34.4	44.4	4.4	9.4
To:	8.4	10.9	15.9	25.8	35.9	15.9	5.9	10.9

Remarks:

A-139931 through A-139948

CC:

W D Frye	
J J Lail	
File	

SOILS ENGINEER:

JLJ
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 DIVISION OF HIGHWAYS-MATERIALS AND TESTS UNIT
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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-	139939	139940	139941	139942	139943	139944	139945	139946
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	45	91	95	63	100	98	98	95
Passing #40 Sieve %	23	83	78	55	95	86	80	76
Passing #200 Sieve %	5	29	28	29	53	29	30	30

MINUS #10 FRACTION

Soil Mortar - 100%								
Coarse Sand -Ret. #60	67	27	34	26	12	30	33	34
Fine Sand - Ret. #270	25	52	47	32	50	50	47	44
Silt 0.05-0.005 mm %	4	15	13	12	28	14	14	16
Clay < 0.005 mm %	4	6	6	30	10	6	6	6
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	22	26	18	51	29	39	32	29
Plastic Index	NP	NP	NP	21	NP	NP	NP	NP
AASHTO Classification	A-1-a (0)	A-2-4 (0)	A-2-4 (0)	A-2-7 (2)	A-4 (4)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)
Quantity								
Texture								
Station	14+58 Rt	14+58 Rt	14+58 Rt	15+78 Lt	15+78 Lt	14+98 Rt	14+98 Rt	14+98 Rt
Hole No.	EB1-B	EB1-B	EB1-B	EB2-A	EB2-A	B1-B	B1-B	B1-B
Depth (ft) From:	15.4	19.4	34.4	4.7	19.7	9.1	19.1	29.1
To:	15.9	20.9	35.9	6.2	21.2	10.6	20.6	30.6

Remarks:

A-139931 through A-139948

CC:

W D Frye	
J J Lail	
File	

SOILS ENGINEER: