

CATLIN ENGINEERS AND SCIENTISTS

Description: Bridge on - Y4 - (SR 2413)
over - L - (US 74)

T.I.P No: R-0513C
Project: 6.469002T

County: Robeson
Date Sampled:
Submitted by:

Received: 03/30/2001
Steve V. Hudson

Reported: 04/20/2001
AASHTO Standard Specifications
(As modified by NCDOT, Material
and Tests Unit, 2000.)

TEST RESULTS

Field Sample No.	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
Lab Sample No.	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
Retained #4 Sieve %	0	0	0	0	0	0
Passing #10 Sieve %	100.0	100.0	99.8	100.0	90.0	100.0
Passing #40 Sieve %	96.4	95.2	99.6	82.8	57.4	96.2
Passing #200 Sieve %	66.7	38.6	19.4	29.2	34.5	60.7

MINUS NO. 10 FRACTION

SOIL MORTAR- 100%						
Coarse Sand Ret-#60 %	9.7	16.4	7.1	36.0	48.9	10.6
Fine Sand Ret-#270 %	26.6	48.0	74.8	39.7	22.2	31.4
Silt 0.05 - 0.005mm %	23.4	9.5	4.2	6.0	8.1	10.1
Clay <0.005mm %	40.3	26.1	13.9	18.3	20.8	47.9

LL	44	32	22	39	40	34
P.I.	11	19	NP	NP	22	18
AASHTO Class. /Group Index	A-7-5/7	A-6/3	A-2-4/0	A-2-4/0	A-2-6/2	A-6/8
Station	13+61.1	13+61.1	13+61.1	13+61.1	13+61.1	13+93.9
Offset	9.0 LT	9.0 LT	9.0 LT	9.0 LT	9.0 LT	21.4 RT
Boring	EB1-A	EB1-A	EB1-A	EB1-A	EB1-A	B1-B
Depth (m)	1.52	3.04	6.08	9.12	13.68	1.52
to	1.97	3.49	6.53	9.57	14.13	1.97
Moisture Content	22.0	16.0	32.0	23.0	22.0	27.0

NP = Non-Plastic

Michael D. Mason

Laboratory Manager

Geotechnical Laboratories
Wilmington, North Carolina

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TEST RESULTS

Field Sample No.	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12
Lab Sample No.	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12
Retained #4 Sieve %	0	0.3	0	0	0	0
Passing #10 Sieve %	100.0	99.0	99.7	99.3	99.2	99.0
Passing #40 Sieve %	100.0	67.3	42.7	99.1	63.3	80.0
Passing #200 Sieve %	10.8	3.5	4.2	5.6	3.2	38.8

MINUS NO. 10 FRACTION

SOIL MORTAR- 100%						
Coarse Sand Ret-#60 %	12.9	76.6	89.0	22.3	78.6	33.5
Fine Sand Ret-#270 %	76.8	20.3	7.1	72.5	18.4	34.6
Silt 0.05 - 0.005mm %	6.3	1.1	0.0	1.3	3.0	21.7
Clay <0.005mm %	4.0	2.0	3.9	3.9	0.0	10.2

LL	24	24	21	23	20	44
P.I.	NP	NP	NP	NP	NP	NP
AASHTO Class. /Group Index	A-2-4/0	A-3/0	A-1-b/0	A-3/0	A-3/0	A-5/0
Station	13+93.9	13+93.9	13+93.9	14+30.6	14+30.6	14+30.6
Offset	21.4 RT	21.4 RT	21.4 RT	12.7 RT	12.7 RT	12.7 RT
Boring	B1-B	B1-B	B1-B	EB2-B	EB2-B	EB2-B
Depth (m)	5.48	10.04	14.60	5.18	9.74	15.82
to	5.93	10.49	15.05	5.63	10.19	16.27
Moisture Content	33.0	25.0	22.0	30.0	24.0	25.0

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