

CATLIN ENGINEERS AND SCIENTISTS

Description: Bridge on - Y3 - (SR 2413)
over - L - (US 74)

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

County: Robeson
Date Sampled:
Submitted by: Charles Ray

Received: 04/11/2001

Reported: 04/25/2001
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	0.1	0	0.02	0	0
Passing #10 Sieve %	100.0	96.9	99.6	99.8	99.6	100.0
Passing #40 Sieve %	99.6	62.3	80.5	94.3	98.8	99.9
Passing #200 Sieve %	9.9	13.2	55.2	16.2	22.4	26.7

MINUS NO. 10 FRACTION

SOIL MORTAR- 100%						
Coarse Sand Ret-#60 %	5.5	66.1	27.9	19.9	11.0	0.7
Fine Sand Ret-#270 %	84.9	20.9	22.6	67.0	68.2	75.1
Silt 0.05 - 0.005mm %	1.6	1.2	17.2	6.7	1.0	14.2
Clay <0.005mm %	8.0	11.8	32.3	6.4	19.8	10.0

LL	22	28	37	21	34	27
P.I.	NP	7	20	NP	NP	NP
AASHTO Class. /Group Index	A-3/0	A-2-4/0	A-6/8	A-2-4/0	A-2-4/0	A-2-4/0
Station	33+074.3	33+074.3	33+071.2	33+044.3	33+044.3	33+035.6
Offset	11.0m RT	11.0m RT	5.4m LT	11.4m LT	11.4m LT	11.4m RT
Boring	B1-B	B1-B	B1-A	EB1-A	EB1-A	EB1-B
Depth (m)	2.91	14.98	16.56	0.00	5.57	2.59
to	3.36	15.43	17.01	0.45	6.02	3.04
Moisture Content	27.0	24.0	15.0	26.0	27.0	34.0

NP = Non-Plastic

Michael D. Mann
Laboratory Manager

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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	0	0.24	0.51	0
Passing #10 Sieve %	93.2	99.8	92.1	98.8	97.0	100.0
Passing #40 Sieve %	38.7	96.4	77.3	91.2	80.2	86.6
Passing #200 Sieve %	6.2	42.5	45.2	15.8	58.3	19.8

MINUS NO. 10 FRACTION

SOIL MORTAR- 100%						
Coarse Sand Ret-#60 %	73.9	14.0	31.0	44.1	32.4	26.7
Fine Sand Ret-#270 %	22.5	46.5	29.8	41.4	13.9	55.7
Silt 0.05 - 0.005mm %	1.5	6.1	21.1	4.9	41.7	7.7
Clay <0.005mm %	2.1	33.4	18.1	9.6	12.0	9.9

LL	20	43	44	20	22	20
P.I.	NP	25	20	NP	NP	NP
AASHTO Class. /Group Index	A-1-b/0	A-7-6/6	A-7-6/5	A-2-4/0	A-4/0	A-2-4/0
Station	33+035.6	34+004.9	34+004.9	34+000.2	34+000.2	33+071.2
Offset	11.4m RT	11.4m LT	11.4m LT	11.4m RT	11.4m RT	5.4m LT
Boring	EB1-B	EB2-A	EB2-A	EB2-B	EB2-B	B1-A
Depth (m)	13.49	0.91	16.63	13.59	15.11	4.42
to	13.89	1.36	17.08	14.04	15.56	4.87
Moisture Content	15.0	26.0	24.0	34.0	21.0	57.0

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