



# NCDOT LABORATORY SUMMARY SHEET

AASHTO Standard Specifications  
(As modified by NCDOT, Material and Tests Unit, 2000.)

DESCRIPTION: US 74 From West of SR 1157 (Henry Berry Rd.) to West of SR 1164 (Back Swamp Rd.)		PROJ. NO.: 6.469002T T.I.P. NO.: R-0513BB F.A. NO.: N/A COUNTY: Robeson	SHEET NO.: 62 TOTAL SHEETS: 65 RW SHEET NO.:
PREPARED BY:  ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	CATLIN PROJECT NAME: NCDOT ROBESON COUNTY US 74 (SR 1157 to SR 1164) CATLIN PROJECT NUMBER: 201-135	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
		<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION <b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION	
		CONST. REV.	RW REV.

## TEST RESULTS

Field Sample Number	SS-10	SS-20	SS-21	SS-22	SS-23	SS-32	SS-33	SS-34	SS-35	SS-36	SS-37	SS-38	SS-39	SS-40	SS-41
Lab Sample Number	SS-10	SS-20	SS-21	SS-22	SS-23	SS-32	SS-33	SS-34	SS-35	SS-36	SS-37	SS-38	SS-39	SS-40	SS-41
Retained #4 Sieve %	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Passing #10 Sieve %	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Passing #40 Sieve %	100	98	97	100	98	99	99	100	98	99	100	100	99	100	93
Passing #200 Sieve %	98	79	80	95	29	58	17	85	79	87	98	97	77	54	14

## MINUS NUMBER 10 FRACTION

SOIL MORTAR - 100%															
Coarse Sand Ret.-#60 %	0.6	4.3	5.4	0.3	3.6	1.5	8.9	1.0	2.4	1.3	0.1	0.2	1.6	0.4	27.3
Fine Sand Ret.-#270 %	2.4	25.1	20.5	8.2	70.6	52.1	75.1	20.4	27.8	18.5	4.3	5.6	29.4	55.3	61.4
Silt 0.05 - 0.005mm %	15.2	43.9	28.4	31.3	15.3	21.2	0.2	24.4	38.5	34.2	23.8	23.9	43.0	17.3	7.1
Clay <0.005mm %	81.8	26.7	45.7	60.2	10.5	25.2	15.8	54.2	31.3	46.0	71.8	70.3	26.0	27.0	4.2

Liquid Limit (LL)	70	28	45	71	32	29	16	64	22	44	85	82	32	40	20
Plasticity Index (PI)	39	7	20	44	NP	16	NP	47	13	31	60	47	12	17	NP
AASHTO Classification /Group Index	A-7-5(46)	A-4(4)	A-7-6(17)	A-7-6(49)	A-2-4(0)	A-6(6)	A-2-4(0)	A-7-6(42)	A-6(7)	A-7-6(27)	A-7-6(68)	A-7-5(56)	A-6(8)	A-6(7)	A-2-4(0)
Station	178+80	184+00	184+00	184+00	184+00	189+80	189+80	191+00	194+00	194+00	194+00	197+00	200+27	200+27	200+27
Offset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alignment	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-	-L-
Boring Identification	L-10	L-12	L-12	L-12	L-12	L-14	L-14	L-15	L-16	L-16	L-16	L-17	L-18	L-18	L-18
Depth (M)	16.5	0.0	1.2	2.7	5.8	2.7	4.3	1.2	0.0	0.9	2.4	4.0	0.0	2.7	5.8
to	16.95	0.45	1.65	3.25	6.25	3.19	4.72	1.67	0.45	1.36	2.89	4.41	0.45	3.15	6.25
Moisture Content	39	11	22	38	42	20	26	30	19	20	35	41	34	29	18
Tested By	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM
Submitted By	SVH	SVH	SVH	SVH	SVH	JKB	JKB	JKB	JKB	JKB	JKB	JKB	SVH	SVH	SVH
Date Submitted	11/14/02	11/26/02	11/26/02	11/26/02	11/26/02	01/14/02	01/14/02	01/14/02	01/14/02	01/14/02	01/14/02	01/14/02	01/28/02	01/28/02	01/28/02

NP = Non-Plastic