



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.: 6.46902T T.I.P. NO.: R-0513BB F.A. NO.: N/A COUNTY: Robeson	SHEET NO.: 93 TOTAL SHEETS: 65 RW SHEET NO.: ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER
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 CONST.REV. RW REV.	PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

TEST RESULTS

Field Sample Number	SS-42	SS-43	SS-44	ST-06	SS-45	SS-46	ST-07	SS-47	ST-05	SS-51	SS-52	SS-53	SS-54	SS-24	SS-11
Lab Sample Number	SS-42	SS-43	SS-44	693677	SS-45	SS-46	694088	SS-47	693359	SS-51	SS-52	SS-53	SS-54	SS-24	SS-11
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	99	100	100	95	100
Passing #40 Sieve %	98	100	100	100	98	97	96	97	92	97	91	58	71	50	100
Passing #200 Sieve %	81	57	85	71	60	71	72	79	13	51	61	9	16	22	19

MINUS NUMBER 10 FRACTION

SOIL MORTAR - 100%															
Coarse Sand Ret.-#60 %	2.3	0.7	0.5	0.2	3.3	5.1	7.4	4.6	23.6	5.7	14.6	75.2	53.1	65.2	0.4
Fine Sand Ret.-#270 %	26.6	52.9	23.6	39.2	46.5	28.0	25.3	25.8	66.4	49.1	29.0	17.1	31.6	13.5	83.2
Silt 0.05 - 0.005mm %	40.7	17.9	40.6	22.5	38.8	28.4	15.1	31.6	5.0	14.8	33.4	1.7	3.0	2.8	4.5
Clay <0.005mm %	30.4	28.5	35.3	38.0	11.4	38.5	52.2	38.0	5.0	30.4	23.0	6.0	12.3	18.5	11.9

Liquid Limit (LL)	42	36	49	43	18	38	52	60	25	26	35	31	26	43	26
Plasticity Index (PI)	24	18	30	24	NP	19	30	38	NP	NP	NP	NP	NP	28	NP
AASHTO Classification /Group Index	A-7-6(19)	A-6(8)	A-7-6(26)	A-7-6(16)	A-4(0)	A-6(12)	A-7-6(21)	A-7-6(31)	A-2-4(0)	A-4(0)	A-4(0)	A-3(0)	A-2-4(0)	A-2-7(1)	A-2-4(0)
Station	202+00	202+00	205+00	205+00	206+40	209+20	209+20	209+20	209+20	224+00	226+10	226+10	229+00	14+20	14+20
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-	-RC-	-RC-
Boring Identification	L-19	L-19	L-20	L-20	L-21	L-22	L-22	L-22	L-22	L-28	L-29	L-29	L-30	RC-01	RC-01
Depth (M)	0.0	2.7	1.2	3.0	0.0	0.0	0.6	1.2	5.8	0.0	0.0	5.6	5.7	1.1	4.0
	to	0.45	3.15	1.65	3.60	0.45	0.45	1.24	1.65	6.40	0.45	0.45	6.05	6.15	1.55
Moisture Content	24	38	22		18	26		28		18	55	31	25	14	37
Tested By	MDM	MDM	MDM	NCDOT	MDM	MDM	NCDOT	MDM	NCDOT	MDM	MDM	MDM	MDM	MDM	MDM
Submitted By	SVH	SVH	SVH	D.T. HERING	SVH	SVH	D.T. HERING	SVH	D.T. HERING	SVH	SVH	SVH	SVH	SVH	SVH
Date Submitted		01/28/02	01/28/02	02/20/02	01/28/02	01/28/02	03/06/02	01/28/02	02/15/02	02/19/02	02/19/02	02/19/02	02/19/02	11/26/02	11/14/01

NP = Non-Plastic

Report Date: 2/25/2002

Laboratory Report Page 3 of 5