



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	SHEET NO. 64
PREPARED BY: 	CATLIN PROJECT NAME: NCDOT ROBESON COUNTY US 74 (SR 1157 to SR 1164)	T.I.P. NO.: R-0513BB	TOTAL SHEETS: 65
ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	CATLIN PROJECT NUMBER: 201-135	F.A. NO.: N/A	R/W SHEET NO.:
	CONST. REV.	COUNTY: Robeson	ROADWAY DESIGN ENGINEER
	RW REV.		HYDRAULICS ENGINEER

TEST RESULTS

Field Sample Number	SS-12	SS-25	ST03 #2	SS-26	ST-03 #1	SS-13	ST-04#2	ST-04#1	SS-14	SS-15	SS-16	SS-27	SS-28	SS-29	SS-30
Lab Sample Number	SS-12	SS-25	692864	SS-26	692863	SS-13	693088	693087	SS-14	SS-15	SS-16	SS-27	SS-28	SS-29	SS-30
Retained *4 Sieve %	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Passing *10 Sieve %	100	99	93	100	100	100	100	100	100	100	100	100	100	100	100
Passing *40 Sieve %	71	66	47	64	97	99	99	99	76	70	57	95	87	100	55
Passing *200 Sieve %	6	6	7	36	15	95	69	46	31	24	5	77	30	14	16

MINUS NUMBER 10 FRACTION

SOIL MORTAR - 100%															
Coarse Sand Ret.-*60 %	44.2	55.9	71.6	45.0	39.9	2.0	0.8	1.8	37.8	46.9	76.9	8.1	23.2	1.2	56.7
Fine Sand Ret.-*270 %	50.7	39.3	21.8	22.5	46.8	5.8	43.0	62.2	36.0	32.3	19.0	19.1	53.8	86.7	28.4
Silt 0.05 - 0.005mm %	1.5	0.0	1.6	19.1	9.2	36.2	15.8	17.9	14.0	7.7	0.4	41.8	4.2	0.6	1.5
Clay <0.005mm %	3.6	4.8	5.0	13.4	4.0	56.0	40.4	18.2	12.2	13.1	3.7	31.0	18.8	11.5	13.4

Liquid Limit (LL)	26	22	21	47	25	47	49	29	22	24	21	33	62	24	21
Plasticity Index (PI)	NP	NP	NP	13	NP	25	28	8	NP	NP	NP	NP	42	NP	NP
AASHTO Classification /Group Index	A-3(0)	A-3(0)	A-1-b(0)	A-7-5(1)	A-2-4(0)	A-7-6(26)	A-7-6(18)	A-4(1)	A-2-4(0)	A-2-4(0)	A-3(0)	A-4(0)	A-2-7(5)	A-2-4(0)	A-2-4(0)
Station	14+20	14+20	14+20	14+20	14+20	14+20	12+60	12+60	18+20	18+20	18+20	30+20	30+20	30+20	30+20
Offset	0	0	0	0	0	0	0	0	0	0	0	-2	-2	-2	-2
Alignment	-RC-	-RC-	-RC-	-RC-	-RC-	-RC-	-RD-	-RD-	-SR5-	-SR5-	-SR5-	-SR5-	-SR5-	-SR5-	-SR5-
Boring Identification	RC-01	RC-01	RC-01	RC-01	RC-01	RC-01	RD-01	RD-01	SR5-03	SR5-03	SR5-03	SR5-07	SR5-07	SR5-07	SR5-07
Depth (M)	8.5	10.0	11.1	11.5	11.5	16.0	5.1	5.4	0.0	1.0	2.5	0.0	1.1	2.7	4.4
+o	8.95	10.45	11.50	11.95	11.80	16.45	5.40	5.70	0.45	1.45	2.95	0.45	1.55	3.15	4.85
Moisture Content	22	18		32		28			6	6	24	9	23	26	34
Tested By	MDM	MDM	NCDOT	MDM	NCDOT	MDM	NCDOT	NCDOT	MDM	MDM	MDM	MDM	MDM	MDM	MDM
Submitted By	SVH	SVH	D.T. HERING	SVH	D.T. HERING	SVH	D.T. HERING	D.T. HERING	SVH	SVH	SVH	SVH	SVH	SVH	SVH
Date Submitted	11/14/01	11/26/02	01/25/02	11/26/02	01/25/02	11/14/01	02/05/02	02/05/02	11/14/01	11/14/01	11/14/01	11/26/02	11/26/02	11/26/02	11/26/02

NP = Non-Plastic