

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.) PREPARED BY: ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA		PROJ. NO.: 6.469022T SHEET NO. 61 T.I.P. NO.: R-0513BB TOTAL SHEETS: 65 F.A. NO.: N/A RW SHEET NO.: COUNTY: Robeson	CATLIN PROJECT NAME: NCDOT ROBESON COUNTY US 74 (SR 1157 to SR 1164) CATLIN PROJECT NUMBER: 201-135 ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION
CONST. REV.		RW REV.	

TEST RESULTS

Field Sample Number	SS-01	SS-02	SS-03	SS-04	SS-05	SS-17	SS-18	SS-19	SS-06	ST-01	ST-02	SS-07	SS-08	SS-31	SS-09
Lab Sample Number	SS-01	SS-02	SS-03	SS-04	SS-05	SS-17	SS-18	SS-19	SS-06	692827	692796	SS-07	SS-08	SS-31	SS-09
Retained #4 Sieve %	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0
Passing #10 Sieve %	100	94	100	100	100	100	100	99	100	100	91	99	99	83	100
Passing #40 Sieve %	98	24	88	100	75	97	100	40	87	93	78	84	98	35	96
Passing #200 Sieve %	75	1	15	57	18	75	87	3	63	77	54	60	9	9	74

MINUS NUMBER 10 FRACTION

SOIL MORTAR - 100%															
Coarse Sand Ret.-#60 %	3.9	87.5	22.7	0.7	70.4	4.5	0.8	76.2	18.3	11.3	24.2	23.1	3.4	81.4	7.1
Fine Sand Ret.-#270 %	25.6	11.7	63.3	50.3	13.6	26.4	15.9	21.3	24.7	17.0	20.3	20.9	89.7	10.2	24.5
Silt 0.05 - 0.005mm %	49.5	0.0	3.1	19.1	3.7	21.5	19.9	0.6	31.9	29.1	15.2	18.2	2.8	4.0	40.0
Clay <0.005mm %	21.0	0.8	10.9	29.9	12.3	47.6	63.4	1.9	25.1	42.5	40.3	37.8	4.1	4.4	28.4

Liquid Limit (LL)	21	23	21	33	22	57	63	21	23	48	50	43	27	32	38
Plasticity Index (PI)	NP	NP	NP	15	NP	31	40	NP	10	30	32	23	NP	NP	19
AASHTO Classification /Group Index	A-4(0)	A-1-b(0)	A-2-4(0)	A-6(6)	A-2-4(0)	A-7-6(24)	A-7-6(38)	A-1-b(0)	A-4(3)	A-7-6(22)	A-7-6(13)	A-7-6(11)	A-3(0)	A-1-b(0)	A-6(13)
Station	154+04	154+04	154+04	154+04	154+04	175+00	175+00	175+00	178+80	178+80	178+80	178+80	178+80	178+80	178+80
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-01	L-01	L-01	L-01	L-01	L-08	L-08	L-08	L-10	L-10	L-10	L-10	L-10	L-10	L-10
Depth (M)	1.5	3.0	4.5	6.0	7.5	1.1	2.7	4.4	0.0	0.5	1.3	1.4	7.5	9.0	12.0
to	1.95	3.45	4.95	6.45	7.95	1.55	3.25	4.85	0.45	1.11	1.94	1.85	7.95	9.45	12.45
Moisture Content	13	14	32	33	29	27	53	22	11			21	38	26	20
Tested By	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	MDM	NCDOT	NCDOT	MDM	MDM	MDM	MDM
Submitted By	SVH	SVH	SVH	SVH	SVH	SVH	SVH	SVH	SVH	D.T. Hering	D.T. Hering	SVH	SVH	SVH	SVH
Date Submitted		11/14/01	11/14/01	11/14/01	11/14/01	11/26/01	11/26/01	11/26/01	11/14/02	01/24/02	01/22/02	11/14/02	11/14/02	11/26/02	11/14/02

NP = Non-Plastic