

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 26 OF 70

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO. 33377.1.1	ID. B-4009	COUNTY ANSON	GEOLOGIST STICKNEY J.K.
SITE DESCRIPTION BRIDGE NO. 33 OVER BROWN CREEK ON US 74 WBL			GROUND WATER
BORING NO. B3-A	BORING LOCATION 36+87.00	OFFSET -7.50	ALIGNMENT L
COLLAR ELEVATION 243.60	NORTHING 457127.7265	EASTING 1644712.5314	0 HR. 0.0
TOTAL DEPTH 49.1	DRILL MACHINE CME-550X	DRILL METHOD NWCAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 3/15/05	COMPLETION DATE 3/15/05	SURFACE WATER DEPTH	DEPTH TO ROCK 25.8

PROJECT NO: 33377.1.1 PROJECT ID: B-4009 COUNTY: ANSON GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE NO. 33 ON US 74 OVER BROWN CREEK DRILLER: C.L. SMITH
 BORING NO: B3-A BORING LOCATION (STA): 36+87 -L- OFFSET: 7.50' LT.
 COLLAR ELEV: 243.60' PERSONNEL: CORE SIZE: NXWL
 TOTAL DEPTH: 49.10' DRILL MACHINE: CME-550 DATE STARTED: 03/15/05
 TOTAL RUN: 23.30' DRILL EQUIP: DATE COMPLETED: 03/15/05

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG MOI.	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
243.60														(ALLUVIUM) GRAY-BRN V. SOFT TO SOFT F. SANDY CLAYEY SILT (A-4)
240.00	4.4	0	0	0	1								SS-8	M
235.00	9.4	0	2	2	1									M
230.00	14.4	1	7	18	1								SS-9	SAT
225.00	19.4	15	22	39	1								SS-10	M
220.00	24.4	100			0.5									D
215.00	25.8												CORE1	
210.00	29.1												CORE2	
205.00	34.1												CORE3	
200.00	39.1												CORE4	
195.00	44.1												CORE5	
190.00														
185.00														
180.00														
175.00														
170.00														
165.00														

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
217.80	25.80		1	94	36		RED/BRN., MOD. SEV. WEATH., MOD. HARD, MUDSTONE. FS = THICK
214.50	29.10		2	98	20		RED/BRN., MOD. SEV. WEATH., MOD. HARD, MUDSTONE. FS = THICK
209.50	34.10		3	32	00		RED/BRN., SEV. WEATH., MED. HARD, MUDSTONE. LOST WATER RETURN FROM 36.10' TO 40.00'
204.50	39.10		4	92	46	RS-4	RED/BRN., MOD. WEATH., MOD. HARD, MUDSTONE. WATER RETURN RESUMES @ 40.00'. FS = THICK
199.50	44.10		5	97	70		RED/BRN., SLI. WEATH., MOD. HARD, MUDSTONE. LOST WATER RETURN FROM 48.60' TO 49.10'
194.50	49.10						FS = THICK

NOTES

TERMINATED BORING AT
 ELEV. 194.50 IN SLI. WEATH.
 MOD. HARD MUDSTONE