

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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

PROJECT NO. 33377.1.1	ID. B-4009	COUNTY ANSON	GEOLOGIST TODD R.W.
SITE DESCRIPTION BRIDGE NO. 33 OVER BROWN CREEK ON US 74 WBL			
BORING NO. B8-A	BORING LOCATION 39+11.50	OFFSET -8.00	ALIGNMENT L
COLLAR ELEVATION 244.50	NORTHING 456999.6812	EASTING 1644896.9356	GROUND WATER 0 HR. 24 HR. 0.0
TOTAL DEPTH 45.3	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 21.6

PROJECT NO: 33377.1.1 PROJECT ID: B-4009 COUNTY: ANSON GEOLOGIST: R.W. TODD  
 SITE DESCRIPTION: BRIDGE NO. 33 ON US 74 OVER BROWN CREEK DRILLER:  
 BORING NO: B8-A BORING LOCATION (STA): 39+11.50 -L- OFFSET: 8.00' LT.  
 COLLAR ELEV: 244.50' PERSONNEL: CORE SIZE: NXWL  
 TOTAL DEPTH: 45.30' DRILL MACHINE: CME-550 DATE STARTED: 03/15/05  
 TOTAL RUN: 23.70' DRILL EQUIP: DATE COMPLETED: 03/15/05

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'		0	25	50	75			
244.50												(ALLUVIUM) BRN V. SOFT TO SOFT F. SANDY SILTY CLAY (A-6)
240.00											W	
235.00	10.6	3	4	4	1						SS-55	SAT
230.00	15.6	7	24	31	1						SS-56	D
225.00	20.6 21.6	57	43		0.6						CORE1	D
220.00	25.3										CORE2	
215.00	30.3										CORE3	
210.00	35.3										CORE4	
205.00	40.3										CORE5	
200.00											RS-8	
195.00												
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
222.90	21.60		1	100	78		BRN., SLI. WEATH., MOD. HARD, SANDSTONE.  FS = THIN
219.20	25.30		2	92	58		AS ABOVE TO 26.70'. THEN, RED/BRN., MOD. WEATH., MOD. HARD, MUDSTONE.  FS = THIN
214.20	30.30		3	78	42		RED/BRN., MOD. WEATH., MOD. HARD, MUD- STONE.  FS = THIN
209.20	35.30		4	96	74		RED/BRN., MOD. WEATH., MOD. HARD, MUD- STONE TO 38.10'. THEN, GRAY, MOD. WEATH., MOD. HARD, SANDSTONE.  FS = THIN TO THICK
204.20	40.30		5	94	N/A	RS-8	GRAY., MOD. WEATH., MOD. HARD, SAND- STONE. A 1.50' PIECE OF THIS RUN BECAME LODGED IN BARREL & WAS OBLITERATED IN REMOVAL. **SEE PICTURE.

NOTES

TERMINATED BORING AT  
 ELEV. 199.20 IN MOD. WEATH.  
 MOD. HARD SANDSTONE