

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

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							GROUND WATER				
BORING NO. B10-B		BORING LOCATION 40+01.50		OFFSET 9.70		ALIGNMENT L					
COLLAR ELEVATION 245.40		NORTHING 456933.6684		EASTING 1644960.6192		0 HR.					
TOTAL DEPTH 39.5		DRILL MACHINE CME-550X		DRILL METHOD NWCAS/NXWL		HAMMER TYPE AUTOMATIC					
START DATE 3/29/05		COMPLETION DATE 3/29/05		SURFACE WATER DEPTH		DEPTH TO ROCK 23.1					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
				0	25	50	75	100			
245.40											
245.00											(ALLUVIUM) BRN V. SOFT TO SOFT F. SANDY SILTY CLAY (A-6)
240.00											
235.00	11.9	2	1	2	1	X 3				SAT	GRAY V. LOOSE SILTY CLAYEY CSE. SAND (A-2-4)
230.00	16.9	8	24	37	1	X 61				D	(TRIASSIC) BRN W/GRAY HARD CLAYEY F. SANDY SILT (A-4) W/ V. SOFT SEAM @ 20.0-22.0
225.00	22.9	100								D	WEATHERED ROCK (BRN W/GRAY HARD CLAYEY F. SANDY SILT) (NON-CRYSTALLINE ROCK)
220.00	23.1										RED-BRN & GRAY SLI. WEATH. MOD. HARD SANDSTONE & MUDSTONE REC=100% RQD=100%
215.00	26.7									CORE1	GRAY SLI. WEATH. MOD. HARD SANDSTONE REC=100% RQD=100%
210.00	31.4									CORE2	GRAY SLI. WEATH. MOD. HARD SANDSTONE TO 33.9 THEN BRN MUDSTONE REC=100% RQD=100%
205.00	36.1									CORE3	BRN SLI. WEATH. MOD. HARD MUDSTONE REC=100% RQD=100%
200.00										CORE4	
195.00										RS-15	
190.00											
185.00											
180.00											
175.00											
170.00											

TERMINATED BORING AT
 ELEV. 205.90 IN SLI. WEATH.
 MOD. HARD MUDSTONE

SHEET 41 OF 70

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

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: B10-B BORING LOCATION (STA): 40+01.50 -L- OFFSET: 9.70' RT.
 COLLAR ELEV: 245.40' PERSONNEL: CORE SIZE: NXWL
 TOTAL DEPTH: 39.50' DRILL MACHINE: CME-550 DATE STARTED: 03/29/05
 TOTAL RUN: 16.40' DRILL EQUIP: DATE COMPLETED: 03/29/05

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
222.30	23.10		1	100	100		RED/BRN. & GRAY, SLI. WEATH., MOD. HARD, SANDSTONE & MUDSTONE. FS = THICK
218.70	26.70		2	100	100		GRAY, SLI. WEATH., MOD. HARD, SANDSTONE. FS = THICK
214.00	31.40		3	100	100		AS ABOVE TO 33.90'. THEN, RED/BRN., SLI. WEATH., MOD. HARD, MUDSTONE. FS = THICK
209.30	36.10		4	100	100	RS-15	RED/BRN., SLI. WEATH., MOD. HARD, MUDSTONE. FS = THICK
205.90	39.50						FS = THICK

NOTES GOOD WATER RETURN THROUGHOUT CORING OPERATION.