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. B12-B	BORING LOCATION 40+90.50	OFFSET 9.50	ALIGNMENT L	0 HR.
COLLAR ELEVATION 245.90	NORTHING 456882.9080	EASTING 1645033.7248	24 HR. 0.0
TOTAL DEPTH 40.5	DRILL MACHINE CME-550X	DRILL METHOD NWCAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 3/24/05	COMPLETION DATE 3/24/05	SURFACE WATER DEPTH	DEPTH TO ROCK 24.4

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
245.90								▼		
245.00										(ALLUVIUM) GRAY V. LOOSE SAND (A-2-4)
240.00										
235.00	12.9	1	1	1	1	X 2	SS-64	SAT		
230.00	17.9	10	15	42	1	X 57	SS-65	D		(TRIASSIC) RED-BRN HARD F. SANDY SILTY CLAY (A-6)
225.00										WEATHERED ROCK
220.00	23.9 24.4	100			0.5	100 X	COREI	D		(NON-CRYSTALLINE ROCK) RED-BRN MOD. WEATH. MED. MED. HARD MUDSTONE REC=100% RQD=81%
	27.6						CORE2			
215.00	32.6						RS-11 CORE3			RED-BRN MOD. SEV. TO SLI. WEATH. V. SOFT TO MOD. HARD MUDSTONE REC=78% RQD=40%
210.00	37.3						CORE4			RED-BRN SLI. WEATH. MOD. HARD MUDSTONE REC=100% RQD=100%
205.00										RED-BRN SLI. WEATH. MOD. HARD MUDSTONE REC=100% RQD=100%
200.00										
195.00										
190.00										
185.00										
180.00										
175.00										TERMINATED BORING AT ELEV. 205.40 IN SLI. WEATH. MOD. HARD MUDSTONE
170.00										

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 DESCRPTION: BRIDGE NO. 33 ON US 74 OVER BROWN CREEK **DRILLER:**
BORING NO: B12-B **BORING LOCATION (STA):** 40+90.50 -L- **OFFSET:** 9.50' RT.
COLLAR ELEV: 245.90' **PERSONNEL:** **CORE SIZE:** NXWL
TOTAL DEPTH: 40.50' **DRILL MACHINE:** CME-550 **DATE STARTED:** 03/24/05
TOTAL RUN: 16.10' **DRILL EQUIP:** **DATE COMPLETED:** 03/24/05

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
221.50	24.40		1	100	81		RED/BRN., MOD WEATH., MED. HARD, MUD-STONE. FS = THIN
218.30	27.60		2	78	40	RS-11	RED/BRN., MOD. SEV. TO SLI. WEATH., V. SOFT TO MOD. HARD MUDSTONE. FS = THIN TO THICK
213.30	32.60		3	100	100		RED/BRN., SLI. WEATH., MOD. HARD, MUD-STONE. FS = THICK
208.60	37.30		4	100	100		RED/BRN., SLI. WEATH., MOD. HARD, MUD-STONE. FS = THICK
205.40	40.50						

NOTES