NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34517.1.1	ID R-2911D	COUNTY ROWAN	GEOLOGIST J.K. STICKNEY
SITE DESCRIPTION BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728			GND WATER
BORING NO B2-A LT LN	NORTHING 0.00	EASTING 0.00	0 HR 8.10ft
ALIGNMENT L	BORING LOCATION 304+82.000	OFFSET 57.00ft LT	24 HR 4.40ft
COLLAR ELEV 655.65ft	TOTAL DEPTH 50.30ft	START DATE 3/29/04	COMPLETION DATE 03/29/04
DRILL MACHINE CME-550	DRILL METHOD NW CASING		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH N/A	DEPTH TO ROCK 32.80ft		Log B2-A LT LN, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	BLOW CT 6in	BLOW CT 6in	PEN (ft)	BLOWS PER FOOT (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
655.65						Ground Surface				
650.00	5.70	0	1	1	1.0	2		MOIST		ALLUVIUM - VERY SOFT RED-BROWN CLAYEY SANDY SILT
	10.70	1	3	3	1.0	6		M/W		LOOSE GRAY SAND
640.00	15.70	1	1	2	1.0	3		SAT		
	20.70	1	1	3	1.0	4		"		
630.00	25.70	7	15	24	1.0	39		MOIST		RESIDUAL - MEDIUM DENSE TO DENSE TAN-GRAY-WHITE MICACEOUS SAND
	30.70	5	25	75	0.9	100				
										WEATHERED ROCK
620.00							RUN #1			HARD ROCK - GRAY-WHITE METAGABBRO AND GRANITE, REC=98% RQD=40%
							RUN #2			
							RUN #3			GRANITIC ROCK AND METAGABBRO, REC=43% RQD=12%
610.00							RUN #4			GRAY FRESH, VERY HARD METAGABBRO, REC=91% RQD=80%
605.35										AS ABOVE - REC=95% RQD=93%
						CORING TERMINATED AT ELEVATION 605.35 FEET IN HARD ROCK (METAGABBRO)				

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

PROJECT NO: 34517.1.1 **PROJECT ID:** R-2911D **COUNTY:** ROWAN **GEOLOGIST:** J.K. STICKNEY
SITE DESCRIPTION: BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728 **DRILLER:** C.L. SMITH
BORING NO: B2-A LT LN **BORING LOCATION (STA):** 304+82 -L- **OFFSET:** 57.0 LT
COLLAR ELEV: 655.65 **PERSONNEL:** D.K. BRATTON **CORE SIZE:** NXWL
TOTAL DEPTH: 50.3 **DRILL MACHINE:** CME-550X **DATE STARTED:** 3/29/04
TOTAL RUN: 17.5 **DRILL EQUIP:** NWCAS/NXWL **DATE COMPLETED:** 3/29/04

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
622.85	32.8		1	98	40		GRAY-WHITE V. SLI. WEATH. HARD TO V. HARD MAFIC METAGABBRO TO 34.3, THEN WHITE-GRAY SLI. WEATH. HARD GRANITE ROCK. FRACTURE SPACING FOR RUN IS V. CLOSE TO CLOSE.
620.25	35.4	1.1	2	43	12		RECOVERED ROCK CONTAINS 1.40' OF WHITE-GRAY V. SLI. WEATH. HARD GRANITIC ROCK W/ CLOSE FRACTURE SPACING FOLLOWED BY 0.75' OF BRN-BLACK MOD. WEATH. MOD. HARD METAGABBRO W/ V. CLOSE FRACTURE SPACING.
615.25	40.4	1.45	3	91	80		GRAY FRESH V. HARD METAGABBRO W/ CLOSE TO MOD. CLOSE FRACTURE SPACING.
610.25	45.4	2.01	4	95	93		GRAY FRESH V. HARD METAGABBRO (2 SOLID PIECES OF ROCK CORE)
605.35	50.3						

NOTES