NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2860401	ID B-2583	COUNTY MADISON	GEOLOGIST SHELTON, T.P.
SITE DESCRIPTION BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER			GND WATER
BORING NO B4-A	NORTHING 0.00	EASTING 0.00	0 HR N/A
ALIGNMENT -L-	BORING LOCATION 11+95.000	OFFSET 5.00m LT	24 HR N/A
COLLAR ELEV 495.47m	TOTAL DEPTH 5.51m	START DATE 9/26/00	COMPLETION DATE 09/26/00
DRILL MACHINE CME-550	DRILL METHOD CORE BORING/CORE		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH 0.11m	DEPTH TO ROCK 1.25m		Log B4-A, Page 1 of 1

ELEV	DEPTH	BLOW CT 15cm	15cm	15cm	PEN (m)	BLOWS PER 30cm 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
495.58						Surface Water Ground Surface				
495.00								SAT		ALLUVIUM: BROWN-TAN-GREY GRAVEL & COBBLES.
							CORE 1			FRESH-V. SLI. WEATHERED, MIGMATITIC BIO.-GRANITIC GNEISS. REC: 91% RQD: 63%
493.00							CORE 2 RSS-8			SLI. GN, BRN & WH-LGT. GREY, HARD- V. HARD, MIGMATITIC BIOTITE-TO-GRANITIC GNEISS. REC: 93% RQD: 93%
491.00							CORE 3			F.-CSE. GRAINED, WELL-FOLIATED, MIGMATITIC BIOTITE-TO-GRANITIC GNEISS. REC: 96% RQD: 87%
489.96						BORING TERMINATED IN ROCK (MIGMATITIC BIOTITE-GRANITIC GNEISS) @ ELEV. 489.96 M.				

DATE 10/31/00

CORE BORING REPORT

PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: B4-A GEOLOGIST: TREADWAY, M.A.

DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER

COUNTY: MADISON COLLAR ELEVATION: 495.47 m TOTAL DEPTH: 5.51 m

ELEV. (m)	DEPTH (m)	DRILL RATE MIN./.3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.22	1.25		1.28	1.17 91	0.81 63		SLI. GREEN, BROWN & WHITE-LIGHT GREY, FINE TO COARSE-GRAINED, FRESH TO VERY SLIGHTLY WEATHERED, EXTREMELY FRACTURED TO SOUND, HARD TO VERY HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS WITH ACCESSORY HORNBLENDE, TRACE OF PYRITE, & OCCASIONAL PITS & PARTIALLY HEALED TO HEALED FRACTURES. LIKELY FRACTURE ZONES @ (1.25-1.42m) & (3.91-4.05m): JOINTS GENERALLY INDISCERNIBLE. MAINLY CONSISTS OF RUBBLE WITH SIGNIFICANT MISSING MATERIAL.
492.94	2.53						
492.94	2.53		1.49	1.38 93	1.38 93	RSS-8	
491.45	4.02						4 JNTS. @ 15-25° ADS: 24cm ADT: INDETERMINABLE (SLI. FE STAINS) 7 JNTS. @ 25-35° ADS: 53.5cm ADT: 3mm 4 JNTS. @ 35-45° ADS: 87.8cm ADT: NOT ASCERTAINABLE 4 JNTS. @ 50-60° ADS: 13.5cm ADT: < 2mm 1 JNT. @ 65-75° ADT: 2mm
491.45	4.02		1.49	1.43 96	1.30 87		
489.96	5.51						STRATA REC: 93% STRATA RQD: 82% [5.51m]
489.96	5.51						

CORING TERMINATED AT ELEVATION 489.96 m

DRILLER: W.A. GOSNELL CORE SIZE: NXWL EQUIPMENT: CME-550

Updated 7/26/95