

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203		ID R-977A		COUNTY CHEROKEE		GEOLOGIST T.P. SHELTON								
SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE							GND WATER							
BORING NO EBL B2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-REV		BORING LOCATION 68+13.000		OFFSET 17.00m RT		24 HR N/A								
COLLAR ELEV 476.29m		TOTAL DEPTH 12.22m		START DATE 10/13/97		COMPLETION DATE 10/15/97								
DRILL MACHINE CME 550			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK 4.02m			Log EBL B2-B, Page 1 of 1								
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100				
476.29														Ground Surface
475.00	0.98	0	1	3	0.3	X							W	ALLUVIUM: BROWN AND TAN, VERY LOOSE, SILTY SAND
473.00	2.50	1	1	2	0.3	X							W	
471.00														CORE 1 SOFT WEATHERED ROCK
469.00														CORE 2 FRESH, SOUND METASILTSTONE REC=98% RQD=97%
467.00														CORE 3 SAPROLITE: OLIVE BROWN, HARD SANDY SILT
465.00														CORE 3 FRESH, SOUND METASILTSTONE REC=94% RQD=84%
464.07														BORING TERMINATED AT ELEVATION 464.074 METERS IN ROCK

PROJECT NO: 8.1910203 (R-977A)  
 CHEROKEE COUNTY  
 BRIDGE 4



EBL B2-B

COR 1: 4.02-6.14 REC=98% RQD=98%  
 COR 2: 6.14-9.18 REC=71% RQD=64%  
 COR 3: 9.18-12.22 REC=94% RQD=81%

LAYER 1: 4.02-8.04 Moderately hard, fresh metasiltstone; sound, 10 pieces, longest piece 133cm. Bedding dips 43°, no joints on bedding. Foliation dips 55°. 6 joints on foliation, ADS=43cm, ADT=0.01cm, smooth, clean or with Fe and Mn oxide stain.  
 LAYER 2: 8.04-8.98 Olive brown sandy silt saprolite.  
 LAYER 3: 8.98-12.22 Moderately hard, fresh metasiltstone; sound, 7 pieces, longest piece 200cm. Highly calcareous 11.78-12.05. Bedding dips 45°. 4 joints on bedding, ADS=48cm, ADT=0.01cm, moderately rough, with Fe and Mn oxide stain. Foliation dips 55°. 3 joints on foliation, ADS=49cm, ADT=0.01cm, smooth, clean or with Fe and Mn oxide stain. REC=94% RQD=84%