

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 33527.1.1	ID. B-4180	COUNTY MACON	GEOLOGIST MURRAY C.C.				
SITE DESCRIPTION BRIDGE NO. 323 ON SR 1611 OVER CLEAR CREEK				GROUND WATER			
BORING NO. EB2-C	BORING LOCATION 17+27.00	OFFSET 0.00	ALIGNMENT L	0 HR. 7			
COLLAR ELEVATION 2515.70	NORTHING 487074.4222	EASTING 742196.8264	24 HR. 7				
TOTAL DEPTH 24.9	DRILL MACHINE MOBILE B-57	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC				
START DATE 11/25/03	COMPLETION DATE 11/25/03	SURFACE WATER DEPTH	DEPTH TO ROCK 20				
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5' 0.5' 0.5'	0	25 50 75 100			
2515.70							
2515.00							(ROADWAY FILL) TAN LOOSE MICA SILTY CLAYEY CSE. SAND WASPHALT & GRAVEL @ 0.0-1.0
2510.00	5.2	3	4	2	1	X.6	(ALLUVIUM) GRAY LOOSE SAND
2505.00	10.2	6	5	28	1	X.33	(RESIDUAL) GRAY & WHITE TO TAN DENSE TO MED. DENSE MICA SILTY CSE. SAND
2500.00	15.2	5	5	6	1	X.11	
2495.00	20						SS-8 W
2490.00							SS-9 W
2485.00							CORE1
2480.00							WEATHERED ROCK
2475.00							CRYSTALLINE ROCK REC=95.9% RQD=95.9%
2470.00							
2465.00							
2460.00							
2455.00							
2450.00							
2445.00							
2440.00							

TERMINATED BORING AT
 ELEV. 2490.80 IN FRESH
 MOD. HARD BANDED BIOTITE
 GARNET QUARTZ GNEISS

SHEET 9 OF 16

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

PROJECT NO: 33527.1.1 PROJECT ID: B-4180 COUNTY: Macon
 SITE DESCRIPTION: Bridge No. 323 over Clear Creek on SR 1611
 BORING NO: EB2-C BORING LOCATION (STA): 17+27
 COLLAR ELEV: 2515.7 PERSONNEL: CCM, JEE, DB
 TOTAL DEPTH: 24.9 DRILL MACHINE: CME-550
 TOTAL RUN: 4.9 DRILL EQUIP: NX wireline
 GEOLOGIST: C.C. MURRAY
 DRILLER: J.E. ESTEP
 OFFSET: 0
 CORE SIZE: NXWL
 DATE STARTED: 11-25-03
 DATE COMPLETED: 11-25-03

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
2495.7	20.0		1	95.9	95.9		20.0-24.9 Mod hard, fresh, wide-spaced fractured gray and white banded biotite garnet quartz gneiss.
2490.8	24.9						Boring terminated at 24.9

NOTES