

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.T311002	ID. R-2552B	COUNTY JOHNSTON	GEOLOGIST GENE CAMPBELL
SITE DESCRIPTION BRIDGE ON Y7 (SR 1554, CORBETT ROAD) OVER L (US 70 BYPASS)			GROUND WATER
BORING NO. BI-B	BORING LOCATION 14+27.8	OFFSET 5.4m RT	ALIGNMENT -Y7-
COLLAR ELEV. 99.66	NORTHING 207691.8	EASTING 655238.7	0 HR. NA 24 HR. 3.73
TOTAL DEPTH 14.10	DRILL MACHINE CME 550	DRILL METHOD WASH BORING	HAMMER TYPE AUTOMATIC
START DATE 7/16/01	COMPLETION DATE 7/17/01	SURFACE WATER DEPTH NA	DEPTH TO ROCK NA

ELEV. (m)	DEPTH (m)	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
99.66													COASTAL PLAIN
98.00	1.66	3	5	7	0.3								BROWN, SANDY CLAY
96.00	3.18	6	8	11	0.3								ORANGE-BROWN, CLAYEY SAND WITH TRACE MICA
94.00	4.70	3	3	4	0.3								LIGHT GRAY, SANDY CLAY
92.00	7.60	28	29	19	0.3								RESIDUAL
90.00	9.12	27	28	27	0.3								ORANGE-BROWN, SAPROLITIC, SILTY SAND WITH TRACE MICA
88.00	12.16	15	20	32	0.3								RESIDUAL
86.00	13.68	20	40	60	0.27								RESIDUAL
85.56	14.10												SOFT WEATHERED ROCK (GNEISS)

CORE BORING REPORT

PROJECT: 8.T311002 ID: R-2552B COUNTY: Johnston BORING NO: B1-B

DESCRIPTION: Bridge on -Y7- (SR-1554, Corbett Road) over -L- (US 70 Bypass)

LOCATION OF BORING: -Y7- Station 14+27.8, 5.4m Rt COMPLETION DATE: 7/17/01

COLLAR or GROUND ELEVATION: 99.66 m CORE SIZE: H GEOLOGIST: E. C. Campbell

CORE EQUIPMENT: H casing and core barrel DRILLER: H. R. Conley

ELEV (m)	DEPTH (m)	DRILL RATE (min/0.5m)	RUN (m)	REC (%)	RQD (%)	SAMPLE NUMBER	FIELD CLASSIFICATION and REMARKS
93.90	5.76	1:04/0.29		0.17 (59%)	0.00 (0%)		Coastal Plain Deposits: white, quartz boulder, 5.76 - 5.93. No recovery below 5.93; inferred gravelly sand. Maximum boulder size along core axis = 17cm.
93.61	6.05	0:59		0.54 (36%)	0.00 (0%)		Coastal Plain Deposits: white, pink, and light gray, quartz gravel, cobbles, and boulders, in sand matrix. Pinpoint porosity common. Maximum boulder size along core axis = 16cm. 6.69 - 7.17 inferred sand, due to rapid drill rate.

BOREHOLE TERMINATED AT ELEVATION OF 85.56 METERS, IN WEATHERED ROCK (GNEISS).