

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

<b>PROJECT NO.</b> 8.T311002	<b>ID.</b> R-2552B	<b>COUNTY</b> JOHNSTON	<b>GEOLOGIST</b> GENE CAMPBELL
<b>SITE DESCRIPTION</b> BRIDGE ON Y7 (SR 1554, CORBETT ROAD) OVER L (US 70 BYPASS)			<b>GROUND WATER</b>
<b>BORING NO.</b> EB1-A	<b>BORING LOCATION</b> 13+83.3	<b>OFFSET</b> 3.6m LT	<b>ALIGNMENT</b> -Y7-
<b>COLLAR ELEV.</b> 99.99	<b>NORTHING</b> 207727.5	<b>EASTING</b> 655257.0	<b>0 HR.</b> NA <b>24 HR.</b> 3.26
<b>TOTAL DEPTH</b> 14.10	<b>DRILL MACHINE</b> CME 550	<b>DRILL METHOD</b> WASH BORING	<b>HAMMER TYPE</b> AUTOMATIC
<b>START DATE</b> 7/19/01	<b>COMPLETION DATE</b> 7/19/01	<b>SURFACE WATER DEPTH</b> NA	<b>DEPTH TO ROCK</b> NA

ELEV. (m)	DEPTH (m)	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOL.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
99.99													
	0.75	2	1	2	0.3	X 3							SS-1 17.2 COASTAL PLAIN BROWN, SILTY SAND
	2.27	1	4	6	0.3	X 10						M	SS-2 BROWN, RED STREAKED, SANDY CLAY, WITH SOME GRAVEL
	3.79	2	4	15	0.3	X 19						W	SS-3 BROWN AND GRAY SAND
96.00	4.40											W	WHITE, PINK, AND GRAY, QUARTZ GRAVEL AND COBBLES IN SANDY MATRIX
	6.05	WOH	WOH	WOH	0.3	X 20						W	SS-29 RESIDUAL ORANGE-BROWN AND GREEN-GRAY, SAPROLITIC, HIGHLY PLASTIC, SANDY CLAY, WITH TRACE MICA
	7.70	3	5	8	0.3	X 13						W	SS-28 41.9 RED-BROWN, HIGHLY PLASTIC, SILTY CLAY, WITH TRACE MICA AND SOME GRAVEL
92.00	8.44	4	6	9	0.3	X 15						W	SS-29 RESIDUAL
	9.20	6	8	12	0.3	X 20						W	SS-29 RESIDUAL
	10.72	7	7	9	0.3	X 16						W	SS-29 RESIDUAL
	12.24	11	10	12	0.3	X 22						W	SS-30 BLUE-GRAY AND GREEN-GRAY, SAPROLITIC, SILTY SAND
88.00													
86.00	13.76	27	39	61	0.19					100+ X			SOFT WEATHERED ROCK (GNEISS)
85.89	14.10					BORING TERMINATED AT ELEVATION 85.89 METERS IN SOFT WEATHERED ROCK (GNEISS)							
	84.00												
	82.00												
	80.00												

## CORE BORING REPORT

PROJECT: 8.T311002    ID: R-2552B    COUNTY: Johnston    BORING NO: EB1-A  
DESCRIPTION: Bridge on -Y7- (SR-1554, Corbett Road) over -L- (US 70 Bypass)

LOCATION OF BORING: -Y7- Station 13+83.3, 3.6m Lt    COMPLETION DATE: 7/19/01

COLLAR or GROUND ELEVATION: 99.99 m    CORE SIZE: H    GEOLOGIST: J. L. Love

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
94.61	5.38	5:17/0.29		0.29	0.00		Coastal Plain Deposits: rose, brown, and white, quartz gravel and cobbles in sand matrix. Some clast surfaces are iron stained. Maximum clast size along core axis = 7cm.
				(100%)	(0%)		
94.32	5.67						
94.32	5.67	1:02/0.38		0.11	0.00		5.67 - 5.91, Coastal Plain Deposits: rose, brown, and white, quartz gravel and cobbles in sand matrix. Some clast surfaces are iron stained. Maximum clast size along core axis = 9cm. Rare, pinpoint porosity filled with pyrite.
				(29%)	(0%)		5.91 - 6.05: No resistance during coring. Lost recovery interpreted to include this zone.
93.94	6.05						Inferred Coastal Plain silty sand.

BOREHOLE TERMINATED AT ELEVATION OF 85.89 METERS, IN WEATHERED ROCK (GNEISS).