NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.T540402	**ID.** R-2417BB	**COUNTY** LEE	**GEOLOGIST** C.D. CZAJKA
SITE DESCRIPTION DUAL BRIDGES ON -L- (US 421 BYPASS) OVER -Y3- (NC 42) AND -RXR- (A&W RAILWAY)			**GROUND WATER**
BORING NO. EBI-A	**BORING LOCATION** 564+65	**OFFSET** 79' LT	**ALIGNMENT** -L-
COLLAR ELEVATION 427.1'	**NORTHING** 622630	**EASTING** 1964849	**0 HR.** N/A
TOTAL DEPTH 43.3'	**DRILL MACHINE** CME-850	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 9/15/03	**COMPLETION DATE** 9/15/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 43.3'
			24 HR. 11.3'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
427.1										
425.0	3.2	1	2	1	1.0	3	SS-1	M		COASTAL PLAIN, ORANGE-BROWN, MODERATELY PLASTIC, SANDY CLAY
420.0	8.2	WOH	WOH	WOH	1.0	0		M ▼		
415.0	13.2	2	2	3	1.0	5	SS-2	W		ORANGE-BROWN AND GRAY-RED, HIGHLY PLASTIC, CLAYEY SAND
410.0	18.2	4	7	10	1.0	17	SS-3	W		ORANGE-BROWN AND ORANGE-GRAY, SLIGHTLY PLASTIC, CLAYEY SAND
405.0	23.2	3	4	5	1.0	9	SS-4	W W		RESIDUAL, ORANGE AND GRAY, HIGHLY PLASTIC, SILTY CLAY
400.0	28.2	8	10	22	1.0	32	SS-5	W		GRAY SAND
395.0	33.2	13	28	72	0.9	100+				WEATHERED ROCK (GNEISS)
390.0	38.2	93	7		0.6	100+				
385.0	43.2	60			0.1	60/0.1				
380.0						SPT REFUSAL AT ELEVATION 383.8 FEET ON CRYSTALLINE ROCK (GNEISS)				
375.0										
370.0										
365.0										
360.0										
355.0										
350.0										

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 8.T540402	**ID.** R-2417BB	**COUNTY** LEE	**GEOLOGIST** C.D. CZAJKA
SITE DESCRIPTION DUAL BRIDGES ON -L- (US 421 BYPASS) OVER -Y3- (NC 42) AND -RXR- (A&W RAILWAY)			**GROUND WATER**
BORING NO. EBI-C	**BORING LOCATION** 564+65	**OFFSET** 29' RT	**ALIGNMENT** -L-
COLLAR ELEVATION 426.5'	**NORTHING** 622649	**EASTING** 1964743	**0 HR.** N/A
TOTAL DEPTH 50.8'	**DRILL MACHINE** CME-850	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 9/16/03	**COMPLETION DATE** 9/16/03	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 42.6'
			24 HR. 5.0'

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
426.5										
425.0	2.5	3	6	9	1.0	15	SS-9	M ▼		COASTAL PLAIN, ORANGE-RED AND GRAY, HIGHLY PLASTIC, SILTY CLAY
420.0	7.5	3	4	8	1.0	12		W		ORANGE-BRN., ORANGE-RED, PINK-GRAY, GRAY, AND BROWN, HIGHLY PLASTIC, CLAYEY SAND
415.0	12.5	2	3	4	1.0	7		W		
410.0	17.5	3	4	5	1.0	9	SS-10	W		
405.0	22.5	2	3	4	1.0	7		W		
400.0	27.5	3	3	4	1.0	7	SS-11	W		RESIDUAL, ORANGE-BROWN AND GRAY, HIGHLY PLASTIC, SILTY CLAY
395.0	32.5	3	6	7	1.0	13		W		BLUE-GRAY, SAPROLITIC, CLAYEY SILT
390.0	37.5	5	7	11	1.0	18		W		
385.0	42.5	60			0.1	60/0.1				WEATHERED ROCK (GNEISS)
380.0	47.5	60			0.1	60/0.1				CRYSTALLINE ROCK (GNEISS)
375.0						TRICONE REFUSAL AT ELEVATION 375.7 FEET IN CRYSTALLINE ROCK (GNEISS)				
370.0										
365.0										
360.0										
355.0										
350.0										