

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1631801		ID R-2911D		COUNTY ROWAN		GEOLOGIST J.K. STICKNEY						
SITE DESCRIPTION BRIDGE ON US 70 OVER NORFOLK SOUTHERN RAILROAD							GND WATER					
BORING NO EB1-A LT LN		NORTHING 0.00		EASTING 0.00		0 HR 14.80ft						
ALIGNMENT L		BORING LOCATION 228+45.000		OFFSET 46.00ft LT		24 HR N/A						
COLLAR ELEV 765.89ft		TOTAL DEPTH 46.20ft		START DATE 4/27/04		COMPLETION DATE 04/27/04						
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH N/A			DEPTH TO ROCK N/A			Log EB1-A LT LN, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
765.89												Ground Surface
760.00	5.30	3	4	5	1.0					9	MOIST	ROADWAY FILL - LOOSE TO MEDIUM DENSE GRAY-WHITE-TAN CLAYEY SILTY SAND
	10.30	5	9	6	1.0					15	MOIST	
750.00	15.30	14	13	13	1.0					26	SS-22 MOIST	RESIDUAL - VERY STIFF TAN-BROWN SILTY SANDY CLAY
	20.30	6	10	13	1.0					23	MOIST	
740.00	25.30	8	8	10	1.0					18	DRY	MEDIUM DENSE TAN-GRAY-WHITE SILTY SAND
	30.30	18	15	24	1.0					39	DRY	
730.00	35.30	14	35	59	1.0					94	DRY	
	40.30	28	49	51	0.7					100		WEATHERED ROCK
719.69	45.30	27	73		0.9					100		WEATHERED ROCK
BORING TERMINATED AT ELEVATION 719.69 FEET IN WEATHERED ROCK												

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SITE DESCRIPTION BRIDGE ON US 70 OVER NORFOLK SOUTHERN RAILROAD							GND WATER					
BORING NO EB1-B LT LN		NORTHING 0.00		EASTING 0.00		0 HR 15.10ft						
ALIGNMENT L		BORING LOCATION 228+80.000		OFFSET 28.00ft LT		24 HR N/A						
COLLAR ELEV 765.78ft		TOTAL DEPTH 50.95ft		START DATE 4/27/04		COMPLETION DATE 04/27/04						
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B LT LN, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
765.78												Ground Surface
760.00	5.30	4	6	8	1.0					14	SS-19 MOIST	ROADWAY FILL - LOOSE TO MEDIUM DENSE GRAY-WHITE-TAN CLAYEY SILTY SAND WITH QUARTZ
	10.30	3	4	5	1.0					9	MOIST	
750.00	15.30	1	2	3	1.0					5	SS-20 MOIST	MEDIUM STIFF GRAY SILTY CLAY, HIGH PI
	20.30	4	5	6	1.0					11	MOIST	
740.00	25.30	4	5	7	1.0					12	DRY	RESIDUAL - STIFF TAN-GRAY-WHITE SILTY SANDY CLAY
	30.30	4	5	6	1.0					11	SS-21 MOIST	
730.00	35.30	21	24	33	1.0					57	DRY	VERY DENSE TAN-GRAY-WHITE SILTY SAND
	40.30	34	35	41	1.0					76		
	45.30	44	56		0.9					100		WEATHERED ROCK
714.83	50.30	48	52		1.0					100		WEATHERED ROCK
BORING TERMINATED AT ELEVATION 714.83 FEET IN WEATHERED ROCK												