

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 RT LN		NORTHING 0.00		EASTING 0.00		0 HR 4.50ft									
ALIGNMENT L		BORING LOCATION 229+56.000		OFFSET 26.00ft RT		24 HR 14.70ft									
COLLAR ELEV 752.93ft		TOTAL DEPTH 31.10ft		START DATE 4/21/04		COMPLETION DATE 04/21/04									
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC									
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-A RT LN, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100					
752.93															Ground Surface
750.00	5.30	3	6	8	1.0							SS-10	MOIST		RESIDUAL - STIFF TO VERY STIFF GRAY-TAN CLAYEY SANDY SILT
	10.30	4	5	6	1.0										
740.00	15.30	8	9	15	1.0										
	20.30	20	80		1.0										
	25.30	44	56		0.9										
721.83	30.30	63	37		0.8										
BORING TERMINATED AT ELEVATION 721.83 FEET IN WEATHERED ROCK															

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SITE DESCRIPTION BRIDGE ON US 70 OVER NORFOLK SOUTHERN RAILROAD							GND WATER								
BORING NO EB1-B RT LN		NORTHING 0.00		EASTING 0.00		0 HR 11.30ft									
ALIGNMENT L		BORING LOCATION 229+87.000		OFFSET 46.00ft RT		24 HR 15.80ft									
COLLAR ELEV 752.28ft		TOTAL DEPTH 26.80ft		START DATE 4/21/04		COMPLETION DATE 04/21/04									
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC									
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B RT LN, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100					
752.28															Ground Surface
750.00	5.40	6	18	18	1.0							SS-7	MOIST		RESIDUAL - DENSE GRAY CLAYEY SILTY SAND WITH WEATHERED ROCK FRAGMENTS
	10.40	67	33		0.9										
740.00	15.40	14	15	17	1.0							SS-8	MOIST		WEATHERED ROCK SEAM RESIDUAL - HARD GRAY-BROWN MICACEOUS SANDY SILT
	20.40	27	37	27	1.0							SS-9	DRY		VERY DENSE GRAY-WHITE SILTY SAND
725.48	25.40	35	45	55	0.9										
BORING TERMINATED AT ELEVATION 725.48 FEET IN WEATHERED ROCK															