NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 42270.1.1	TIP B-5124	COUNTY NASH	GEOLOGIST Roberson, N.T.	
SITE DESCRIPTION BRIDGE NO. 141 ON US 301 (-L-) OVER SWIFT CREEK OVERFLOW				GROUND WTR (ft)
BORING NO. B2-B	STATION 37+11	OFFSET 3 ft RT	ALIGNMENT -L-	0 HR. N/A
COLLAR ELEV. 86.8 ft	TOTAL DEPTH 67.0 ft	NORTHING 847,993	EASTING 2,369,793	24 HR. N/A
DRILL RIG/HAMMER EFF./DATE RFO0074 CME-55 92% 07/12/2011		DRILL METHOD Mud Rotary		HAMMER TYPE Automatic
DRILLER Conley, H. R.	START DATE 02/24/14	COMP. DATE 02/24/14	SURFACE WATER DEPTH 2.6ft	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION ELEV. (ft)	DEPTH (ft)
90										WATER SURFACE (02/24/14)	
										86.8 GROUND SURFACE	0.0
85	86.6	0.2	2	3	3	6		Sat.		**ALLUVIAL** TAN AND GRAY SAND AND SAND WITH GRAVEL	
80	81.6	5.2	7	6	6	12		Sat.			
75	76.6	10.2	2	2	7	9		Sat.			
70	71.6	15.2	20	21	17	38		Sat.			
65	66.6	20.2	4	7	4	11		Sat.		63.3	23.5
60	61.6	25.2	1	1	2	3		W		**COASTAL PLAIN** GRAY, GREEN AND BROWN, SILTY CLAY, SANDY CLAY AND SANDY SILT WITH SHELL FRAGMENTS (YORKTOWN FORMATION)	
55	56.6	30.2	11	20	25	45		W		58.3	28.5
50	51.3	35.5	8	9	13	22		W			
45	46.3	40.5	10	16	29	45	SS-10	W		42.8	44.0
40	41.3	45.5	11	16	20	36	SS-11	W			
35	36.3	50.5	10	18	26	44	SS-12	W		32.8	54.0
30	31.3	55.5	11	14	15	29	SS-13	Sat.		GRAY AND GREEN, SAND AND SILTY SAND	
25	26.3	60.5	8	11	12	23		Sat.		22.8	64.0
20	21.3	65.5	10	14	15	29		Sat.		19.8	67.0
										Boring Terminated at Elevation 19.8 ft IN MED. DENSE SAND	

WBS 42270.1.1	TIP B-5124	COUNTY NASH	GEOLOGIST Roberson, N.T.	
SITE DESCRIPTION BRIDGE NO. 141 ON US 301 (-L-) OVER SWIFT CREEK OVERFLOW				GROUND WTR (ft)
BORING NO. EB2-B	STATION 37+56	OFFSET 2 ft RT	ALIGNMENT -L-	0 HR. N/A
COLLAR ELEV. 93.4 ft	TOTAL DEPTH 69.9 ft	NORTHING 848,038	EASTING 2,369,793	24 HR. 4.0
DRILL RIG/HAMMER EFF./DATE RFO0074 CME-55 92% 07/12/2011		DRILL METHOD Mud Rotary		HAMMER TYPE Automatic
DRILLER Conley, H. R.	START DATE 02/20/14	COMP. DATE 02/20/14	SURFACE WATER DEPTH N/A	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
95										
										93.4 GROUND SURFACE 0.0
										91.8 (PAVEMENT) 1.6
90	90.0	3.4	3	1	3	4	SS-1	M-W		**ROADWAY EMBANKMENT** TAN AND BROWN, SILTY SAND
										89.5 GRAY AND BROWN, SANDY CLAY 3.9
										86.9 6.5
85	85.0	8.4	4	5	7	12		Sat.		**ALLUVIAL** TAN AND BROWN SAND WITH GRAVEL
80	80.0	13.4	6	6	5	11	SS-2	Sat.		
75	75.0	18.4	WOH	1	2	3		Sat.		
70	70.0	23.4	2	5	8	13	SS-3	Sat.		66.4 27.0
65	65.0	28.4	2	1	2	3	SS-4	W		**COASTAL PLAIN** GRAY, GREEN AND BROWN, SILTY CLAY AND SANDY SILT WITH SHELL FRAGMENTS (YORKTOWN FORMATION)
60	60.0	33.4	6	8	9	17	SS-5	W		61.4 32.0
55	55.0	38.4	8	15	20	35		W		
50	50.0	43.4	7	11	20	31		W		
45	45.0	48.4	10	17	30	47	SS-6	W		41.9 51.5
40	40.0	53.4	15	22	27	49	SS-7	W		36.9 56.5
35	35.0	58.4	9	13	16	29	SS-8	Sat.		
30	30.0	63.4	12	33	36	69		Sat.		29.9 63.5
										BROWN, GRAY AND GREEN, SAND WITH GRAVEL
25	25.0	68.4	6	10	14	24	SS-9	Sat.		23.5 69.9
										Boring Terminated at Elevation 23.5 ft IN MED. DENSE SAND