NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 42270.1.1	**TIP** B-5124	**COUNTY** NASH	**GEOLOGIST** Oti, O. B.
SITE DESCRIPTION BRIDGE NO. 85 ON US 301 (-L-) OVER SWIFT CREEK OVERFLOW			**GROUND WTR (ft)**
BORING NO. EB1-B	**STATION** 21+86	**OFFSET** 3 ft RT	**ALIGNMENT** -L- / **0 HR.** N/A
COLLAR ELEV. 93.4 ft	**TOTAL DEPTH** 78.6 ft	**NORTHING** 846,468	**EASTING** 2,369,747 / **24 HR.** 6.0
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** 03/05/14	**COMP. DATE** 03/05/14	**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 ELEV. (ft)	DEPTH (ft)
100											
95										93.4 GROUND SURFACE	0.0
										91.9 (PAVEMENT)	1.5
90	91.5	1.9	3	3	3	6		Sat.		**ROADWAY EMBANKMENT** TAN AND BROWN, SAND AND SILTY SAND	
										88.4	5.0
85	86.5	6.9	1	1	2	3		W		86.9 **ALLUVIAL** GRAY AND GREEN, SILTY CLAY	6.5
										83.4 TAN AND BROWN, SAND AND COARSE SAND	10.0
80	81.5	11.9	2	2	3	5		Sat.			
75	76.5	16.9	3	3	4	7		Sat.		73.4	20.0
70	71.5	21.9	4	5	7	12		Sat.		68.4	25.0
65	66.5	26.9	1	2	2	4		W		**COASTAL PLAIN** GRAY, GREEN AND BROWN, SILTY CLAY, SANDY CLAY AND SANDY SILT WITH SHELL FRAGMENTS (YORKTOWN FORMATION)	
60	61.5	31.9	1	3	9	12		W			
55	56.5	36.9	7	10	13	23		W		57.9	35.5
50	51.3	42.1	8	12	15	27		W			
45	46.3	47.1	9	14	17	31		W			
40	41.3	52.1	7	10	14	24		W			
35	36.3	57.1	9	15	22	37		W		37.9	55.5
30	31.3	62.1	6	8	12	20		W			
25	26.3	67.1	9	14	21	35		W			
20	21.3	72.1	8	12	13	25		W			

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20						Match Line				
15	16.3	77.1	9	17	30	47		Sat.		17.9 GRAY SAND 75.5
										14.8 78.6
										Boring Terminated at Elevation 14.8 ft IN DENSE SAND

NCDOT BORE DOUBLE B5124_GEO_BRDG0085_SPT_BORINGS.GPJ NC_DOT.GDT 5/1/14