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. EB2-B	**STATION** 23+11	**OFFSET** 3 ft RT	**ALIGNMENT** -L- / **0 HR.** N/A
COLLAR ELEV. 93.4 ft	**TOTAL DEPTH** 78.7 ft	**NORTHING** 846,593	**EASTING** 2,369,751 / **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** 02/27/14	**COMP. DATE** 02/27/14	**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	1.5	3	3	2	5		M		91.9 (PAVEMENT)	1.5
90										**ROADWAY EMBANKMENT** TAN AND BROWN SAND	
	86.5	6.9	1	1	3	4	SS-1	Sat./W		86.4 **ALLUVIAL** GRAY, SANDY CLAY AND SILTY CLAY	7.0
85										83.4	10.0
	81.5	11.9	1	3	3	6	SS-2	W			
80										78.4 TAN AND GRAY SAND	15.0
	76.5	16.9	3	3	3	6		Sat.			
75											
	71.5	21.9	3	7	3	10		Sat.			
70										68.4 **COASTAL PLAIN** GRAY, GREEN AND BROWN, SILTY CLAY, SANDY CLAY AND SANDY SILT WITH SHELL FRAGMENTS (YORKTOWN FORMATION)	25.0
	66.5	26.9	1	1	2	3	SS-3	W			
65											
	61.5	31.9	2	5	7	12		W			
60										57.9	35.5
	56.2	37.2	9	12	17	29	SS-4	W			
55											
	51.2	42.2	10	14	16	30	SS-5	W			
50											
	46.2	47.2	8	14	20	34		W			
45											
	41.2	52.2	11	20	27	47		W			
40										37.9	55.5
	36.2	57.2	5	9	8	17	SS-6	W			
35											
	31.2	62.2	6	10	10	20		W			
30										27.9	65.5
	26.2	67.2	13	24	24	48		W			
25										22.9 GRAY, SAND AND SILTY SAND	70.5
	21.2	72.2	7	11	12	23		Sat.			
20											

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20						Match Line				
15	16.2	77.2	10	17	26	43		Sat.		GRAY, SAND AND SILTY SAND *(continued)* 17.9 / 75.5
										14.7 / 78.7 Boring Terminated at Elevation 14.7 ft IN DENSE SAND

NCDOT BORE DOUBLE B5124_GEO_BRDG0085_SPT_BORINGS.GPJ NC_DOT.GDT 5/2/14