

REFERENCE: U-4424

PROJECT: 39062

**CONTENTS**

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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2	LEGEND (SOIL & ROCK)
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**STATE OF NORTH CAROLINA**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**GEOTECHNICAL ENGINEERING UNIT**

**STRUCTURE**  
**SUBSURFACE INVESTIGATION**

COUNTY EDGECOMBE  
PROJECT DESCRIPTION NC III (WILSON ST) TO NC 122  
(MCNAIR RD) TO US 64 ALTERNATE (WESTERN BLVD)

SITE DESCRIPTION BRIDGE 152 ON -L- (NC III)  
OVER US 64 BYPASS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4424	1	10

**CAUTION NOTICE**

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF STUDY, PLANNING AND DESIGN, AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA AVAILABLE MAY BE REVIEWED OR INSPECTED IN RALEIGH BY CONTACTING THE N. C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT AT (919) 707-6850. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT PART OF THE CONTRACT.

GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND THE IN SITU (IN-PLACE) TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIABILITY INHERENT IN THE STANDARD TEST METHOD. THE OBSERVED WATER LEVELS OR SOIL MOISTURE CONDITIONS INDICATED IN THE SUBSURFACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND DOCUMENTS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPRETATIONS MADE, OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BIDDER OR CONTRACTOR IS CAUTIONED TO MAKE SUCH INDEPENDENT SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO CONDITIONS TO BE ENCOUNTERED ON THE PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

NOTES:

- THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N. C. DEPARTMENT OF TRANSPORTATION AS ACCURATE NOR IS IT CONSIDERED PART OF THE PLANS, SPECIFICATIONS OR CONTRACT FOR THE PROJECT.
- BY HAVING REQUESTED THIS INFORMATION, THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HEREIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

PERSONNEL

H. FISCHER

M. SHIPMAN, EIT

B. WORLEY, PG

M. MOSELEY

J. MOSELEY

INVESTIGATED BY B. WORLEY, PG

DRAWN BY B. WORLEY and B. SMITH

CHECKED BY D. DEWEY, PE

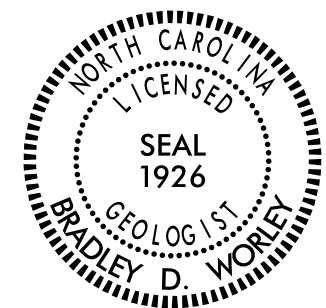
SUBMITTED BY B. WORLEY

DATE SEPTEMBER 2019

Prepared in the Office of:



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DocuSigned by:

*Bradley D. Worley*

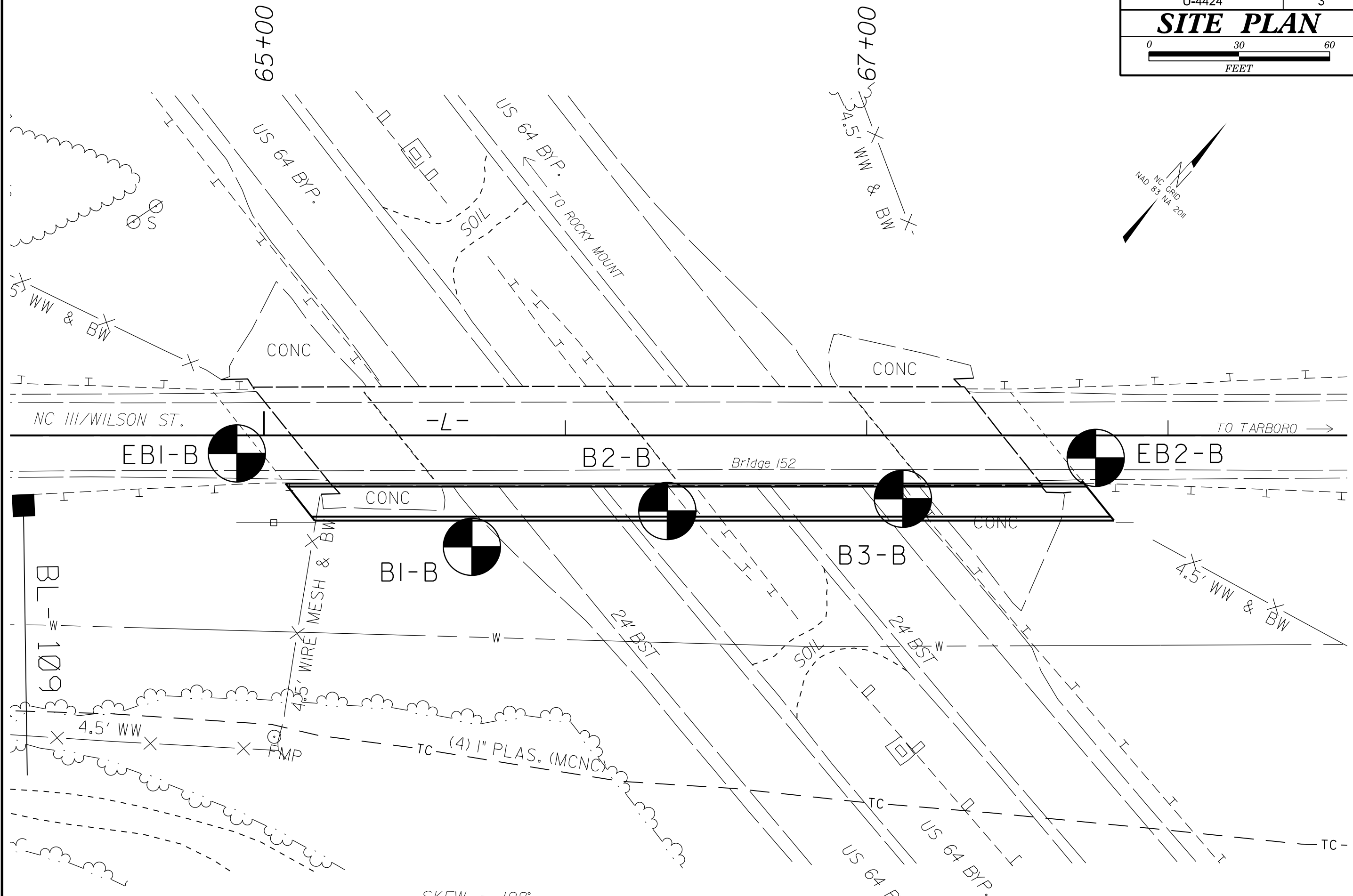
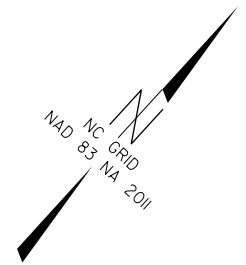
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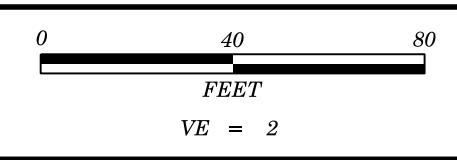
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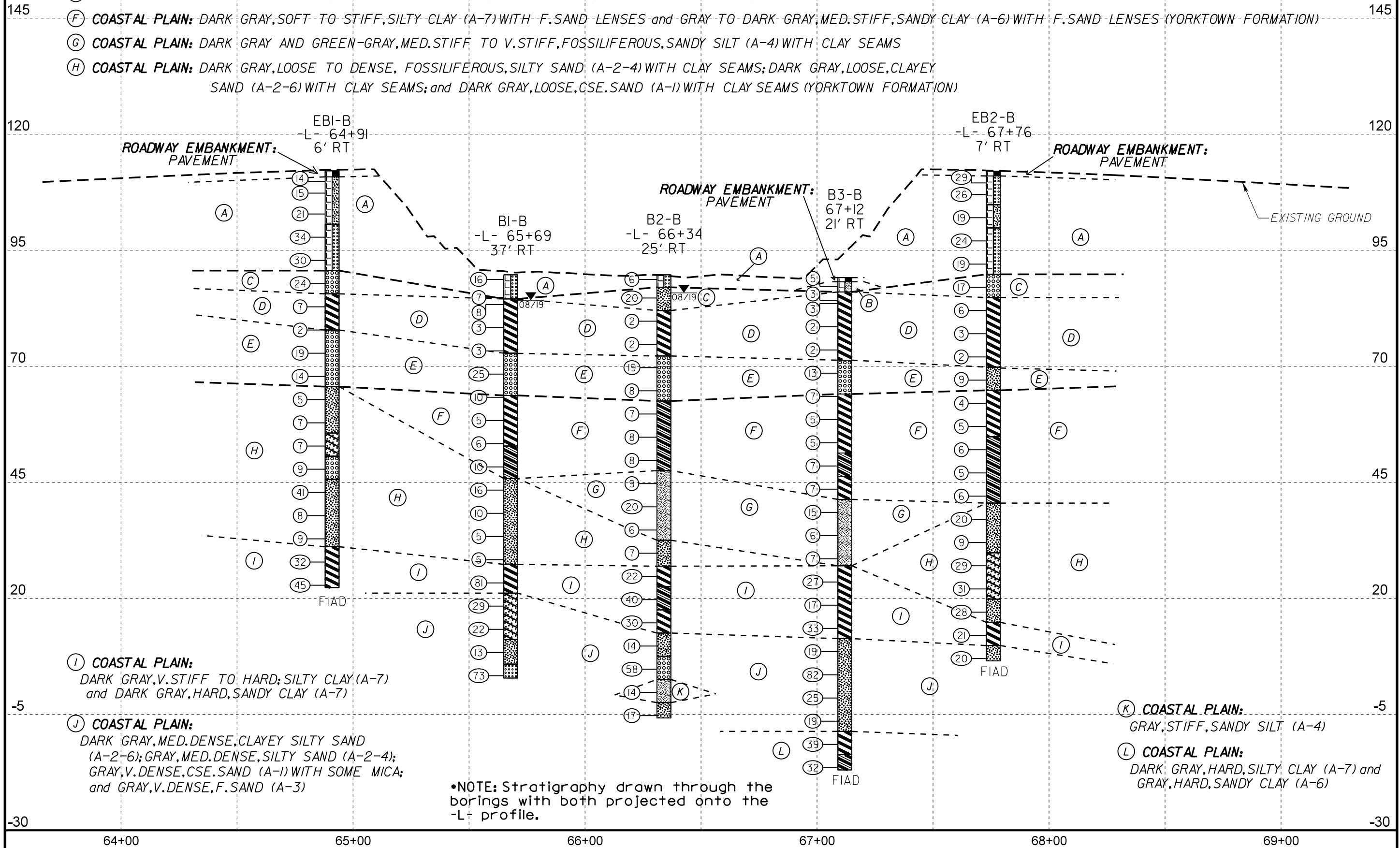


SKEW = 128°

- (A) ROADWAY EMBANKMENT: TAN, MED. DENSE TO DENSE, SILTY SAND (A-2-4) and TAN, LOOSE TO MED. DENSE, F. SAND (A-3)
- (B) ROADWAY EMBANKMENT: BROWN-GRAY, MED. STIFF, SANDY SILT (A-4) WITH TRACE ORGANICS (WOOD)
- (C) ALLUVIAL: TAN, MED. DENSE, CSE. SAND (A-1) and TAN TO BROWN, MED. DENSE, SILTY SAND (A-2-4)
- (D) ALLUVIAL: GRAY TO DARK GRAY, SOFT TO MED. STIFF, SILTY CLAY (A-7)
- (E) ALLUVIAL: GRAY TO BROWN AND TAN, LOOSE TO MED. DENSE, CSE. SAND (A-1); and DARK GRAY, LOOSE, SILTY SAND (A-2-4)
- (F) COASTAL PLAIN: DARK GRAY, SOFT TO STIFF, SILTY CLAY (A-7) WITH F. SAND LENSES and GRAY TO DARK GRAY, MED. STIFF, SANDY CLAY (A-6) WITH F. SAND LENSES (YORKTOWN FORMATION)
- (G) COASTAL PLAIN: DARK GRAY AND GREEN-GRAY, MED. STIFF TO V. STIFF, FOSSILIFEROUS, SANDY SILT (A-4) WITH CLAY SEAMS
- (H) COASTAL PLAIN: DARK GRAY, LOOSE TO DENSE, FOSSILIFEROUS, SILTY SAND (A-2-4) WITH CLAY SEAMS; DARK GRAY, LOOSE, CLAYEY SAND (A-2-6) WITH CLAY SEAMS; and DARK GRAY, LOOSE, CSE. SAND (A-1) WITH CLAY SEAMS (YORKTOWN FORMATION)



PROJECT REFERENCE NO.	SHEET NO.
U-4424	4
PROFILE BRIDGE 152 ON -L- OVER US 64 ALT	



- (I) COASTAL PLAIN: DARK GRAY, V. STIFF TO HARD; SILTY CLAY (A-7) and DARK GRAY, HARD, SANDY CLAY (A-7)
- (J) COASTAL PLAIN: DARK GRAY, MED. DENSE, CLAYEY SILTY SAND (A-2-6); GRAY, MED. DENSE, SILTY SAND (A-2-4); GRAY, V. DENSE, CSE. SAND (A-1) WITH SOME MICA; and GRAY, V. DENSE, F. SAND (A-3)

- (K) COASTAL PLAIN: GRAY, STIFF, SANDY SILT (A-4)
- (L) COASTAL PLAIN: DARK GRAY, HARD, SILTY CLAY (A-7) and GRAY, HARD, SANDY CLAY (A-6)

\*NOTE: Stratigraphy drawn through the borings with both projected onto the -L- profile.

# GEOTECHNICAL BORING REPORT BORE LOG

<b>WBS</b> 39062.1.2	<b>TIP</b> U-4424	<b>COUNTY</b> EDGECOMBE	<b>GEOLOGIST</b> Fischer, H./Worley, B.
<b>SITE DESCRIPTION</b> NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass			<b>GROUND WTR (ft)</b>
<b>BORING NO.</b> EB1-B	<b>STATION</b> 64+91	<b>OFFSET</b> 6 ft RT	<b>ALIGNMENT</b> -L-
<b>COLLAR ELEV.</b> 112.1 ft	<b>TOTAL DEPTH</b> 89.8 ft	<b>NORTHING</b> 779,298	<b>EASTING</b> 2,423,412
<b>DRILL RIG/HAMMER EFF./DATE</b> SUM2603 CME-550X 81% 04/23/2019		<b>DRILL METHOD</b> Mud Rotary	<b>HAMMER TYPE</b> Automatic
<b>DRILLER</b> Moseley, M.G.	<b>START DATE</b> 08/01/19	<b>COMP. DATE</b> 08/01/19	<b>SURFACE WATER DEPTH</b> N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
115															
110	110.8	1.3													
	108.3	3.8	8	7	7										
105	103.8	8.3	4	7	8										
	103.8	8.3	8	8	13										
100	98.8	13.3													
	98.8	13.3	14	16	18										
95	93.8	18.3													
	93.8	18.3	11	15	15										
90	88.8	23.3													
	88.8	23.3	11	13	11										
85	83.8	28.3													
	83.8	28.3	3	3	4										
80	78.8	33.3													
	78.8	33.3	WOH	1	1										
75	73.8	38.3													
	73.8	38.3	7	9	10										
70	68.8	43.3													
	68.8	43.3	7	6	8										
65	63.8	48.3													
	63.8	48.3	2	2	3										
60	58.8	53.3													
	58.8	53.3	2	3	4										
55	53.8	58.3													
	53.8	58.3	3	3	4										
50	48.8	63.3													
	48.8	63.3	2	4	5										
45	43.8	68.3													
	43.8	68.3	8	18	23										
40	38.8	73.3													
	38.8	73.3	3	4	4										
35															

<b>WBS</b> 39062.1.2	<b>TIP</b> U-4424	<b>COUNTY</b> EDGECOMBE	<b>GEOLOGIST</b> Fischer, H./Worley, B.
<b>SITE DESCRIPTION</b> NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass			<b>GROUND WTR (ft)</b>
<b>BORING NO.</b> EB1-B	<b>STATION</b> 64+91	<b>OFFSET</b> 6 ft RT	<b>ALIGNMENT</b> -L-
<b>COLLAR ELEV.</b> 112.1 ft	<b>TOTAL DEPTH</b> 89.8 ft	<b>NORTHING</b> 779,298	<b>EASTING</b> 2,423,412
<b>DRILL RIG/HAMMER EFF./DATE</b> SUM2603 CME-550X 81% 04/23/2019		<b>DRILL METHOD</b> Mud Rotary	<b>HAMMER TYPE</b> Automatic
<b>DRILLER</b> Moseley, M.G.	<b>START DATE</b> 08/01/19	<b>COMP. DATE</b> 08/01/19	<b>SURFACE WATER DEPTH</b> N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
35															
	33.8	78.3													
	33.8	78.3	3	4	5										
30	28.8	83.3													
	28.8	83.3	4	13	19										
25	23.8	88.3													
	23.8	88.3	17	21	24										

NCDOT BORE DOUBLE U4424\_GEO\_BRDG\_SUMMIT\_GINT.GPJ\_NC\_DOT.GDT 8/30/19

## GEOTECHNICAL BORING REPORT BORE LOG

<b>WBS</b> 39062.1.2	<b>TIP</b> U-4424	<b>COUNTY</b> EDGECOMBE	<b>GEOLOGIST</b> Fischer, H./Shipman, M.
<b>SITE DESCRIPTION</b> NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass			<b>GROUND WTR (ft)</b>
<b>BORING NO.</b> B1-B	<b>STATION</b> 65+69	<b>OFFSET</b> 37 ft RT	<b>ALIGNMENT</b> -L-
<b>COLLAR ELEV.</b> 89.7 ft	<b>TOTAL DEPTH</b> 86.9 ft	<b>NORTHING</b> 779,327	<b>EASTING</b> 2,423,490
<b>DRILL RIG/HAMMER EFF./DATE</b> SUM2603 CME-550X 81% 04/23/2019		<b>DRILL METHOD</b> Mud Rotary	<b>HAMMER TYPE</b> Automatic
<b>DRILLER</b> Moseley, M.G.	<b>START DATE</b> 08/07/19	<b>COMP. DATE</b> 08/07/19	<b>SURFACE WATER DEPTH</b> N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
			0.5ft	0.5ft	0.5ft	0	25	50	75	100			
90	89.7	0.0	3	8	8								89.7 GROUND SURFACE
	85.8	3.9	4	3	4								ROADWAY EMBANKMENT Tan, loose to med. dense, Fine SAND (A-3)
85	84.3	5.4	4	3	5								5.2 ALLUVIAL Dark gray, soft to med. stiff, Silty CLAY (A-7) (Driller states harder drilling at 16.9 feet)
80	79.3	10.4	1	1	2								
75	74.3	15.4	WOH	2	1								
70	69.3	20.4	9	13	12								16.9 Tan, med. dense, Coarse SAND (A-1)
65	64.3	25.4	4	4	6								26.0 COASTAL PLAIN (Yorktown Formation) Dark gray, med. stiff, Silty CLAY (A-7), with fine sand lenses (Strat change in spoon at 26.0 feet)
60	59.3	30.4	2	2	3								
55	54.3	35.4	2	3	3								
50	49.3	40.4	4	4	6								
45	44.3	45.4	6	5	11								43.9 Dark gray, loose to med. dense, Silty SAND (A-2-4), fossiliferous
40	39.3	50.4	2	3	7								
35	34.3	55.4	3	2	3								
30	29.3	60.4	3	2	3								
25	24.3	65.4	23	39	42								62.4 Dark gray, hard, Silty CLAY (A-7), fossiliferous (Driller indicates change at 62.4')
20	19.3	70.4	11	12	17								68.6 Dark gray, med. dense, Clayey Silty SAND (A-2-6)
15	14.3	75.4	8	10	12								
10													78.6

NCDOT BORE DOUBLE U4424\_GEO\_BRDG\_SUMMIT\_GINT.GPJ NC\_DOT\_GDT 8/30/19

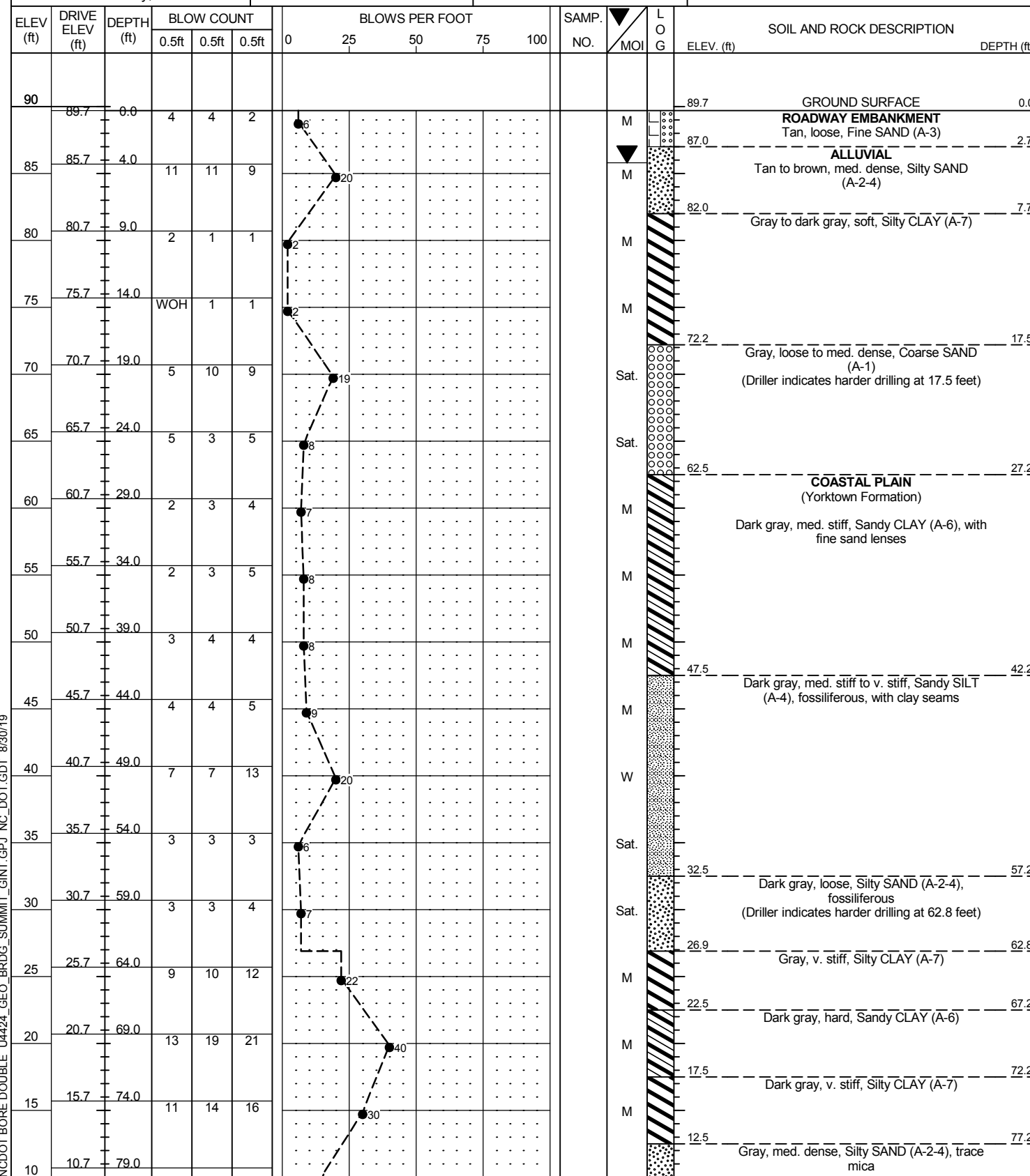
<b>WBS</b> 39062.1.2	<b>TIP</b> U-4424	<b>COUNTY</b> EDGECOMBE	<b>GEOLOGIST</b> Fischer, H./Shipman, M.
<b>SITE DESCRIPTION</b> NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass			<b>GROUND WTR (ft)</b>
<b>BORING NO.</b> B1-B	<b>STATION</b> 65+69	<b>OFFSET</b> 37 ft RT	<b>ALIGNMENT</b> -L-
<b>COLLAR ELEV.</b> 89.7 ft	<b>TOTAL DEPTH</b> 86.9 ft	<b>NORTHING</b> 779,327	<b>EASTING</b> 2,423,491
<b>DRILL RIG/HAMMER EFF./DATE</b> SUM2603 CME-550X 81% 04/23/2019		<b>DRILL METHOD</b> Mud Rotary	<b>HAMMER TYPE</b> Automatic
<b>DRILLER</b> Moseley, M.G.	<b>START DATE</b> 08/07/19	<b>COMP. DATE</b> 08/07/19	<b>SURFACE WATER DEPTH</b> N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
			0.5ft	0.5ft	0.5ft	0	25	50	75	100			
10	9.3	80.4	4	5	8								Match Line
5	4.3	85.4	29	38	35								5.8 Gray, med. dense, Silty SAND (A-2-4), trace mica (continued)
													83.9 Gray, v. dense, Fine SAND (A-3)
													86.9 Boring Terminated at Elevation 2.8 ft In Coastal Plain Fine SAND (A-3)

# GEOTECHNICAL BORING REPORT

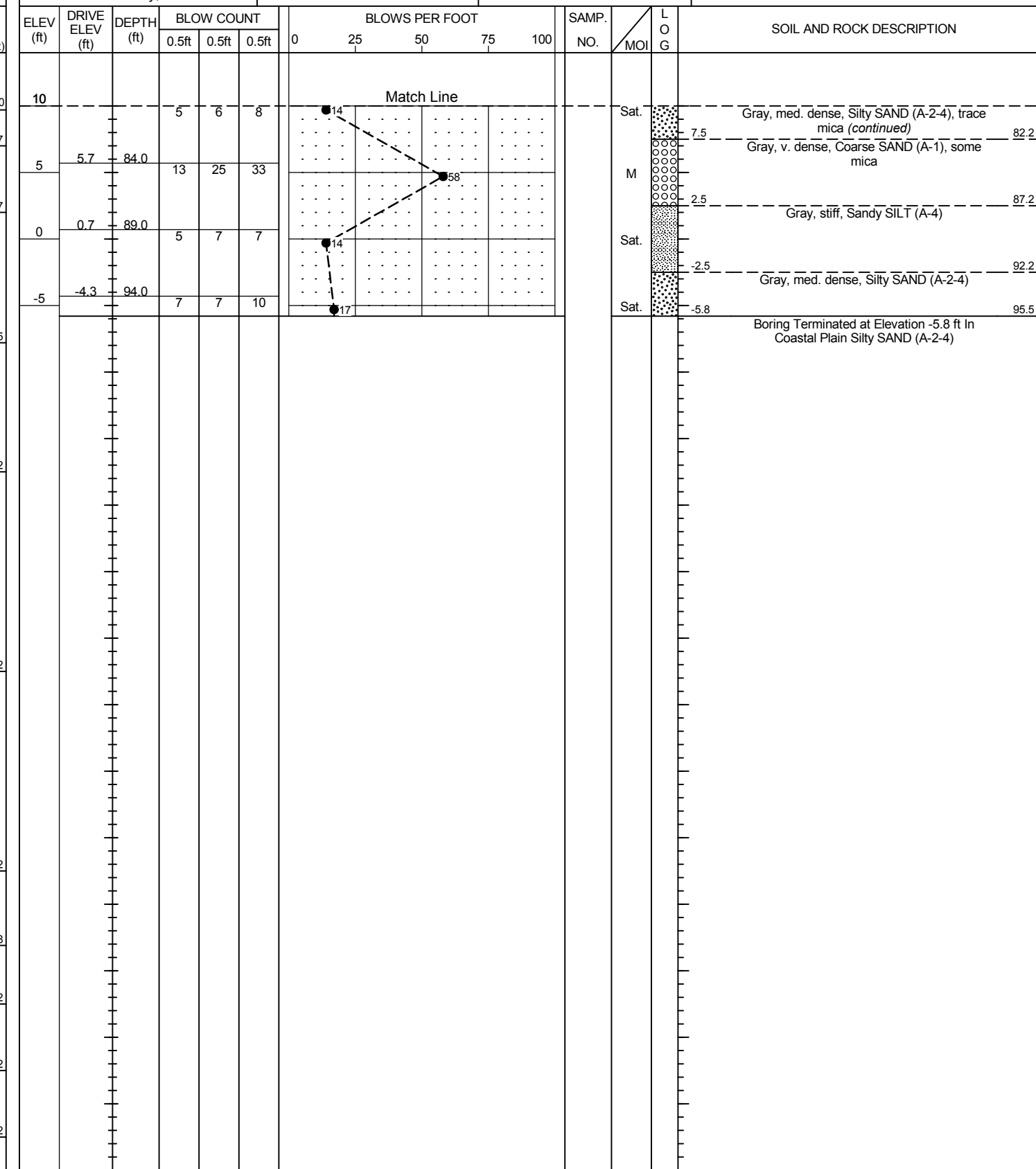
## BORE LOG

<b>WBS</b> 39062.1.2	<b>TIP</b> U-4424	<b>COUNTY</b> EDGECOMBE	<b>GEOLOGIST</b> Fischer, H./Shipman, M.
<b>SITE DESCRIPTION</b> NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass			<b>GROUND WTR (ft)</b>
<b>BORING NO.</b> B2-B	<b>STATION</b> 66+34	<b>OFFSET</b> 25 ft RT	<b>ALIGNMENT</b> -L-
<b>COLLAR ELEV.</b> 89.7 ft	<b>TOTAL DEPTH</b> 95.5 ft	<b>NORTHING</b> 779,380	<b>EASTING</b> 2,423,530
<b>DRILL RIG/HAMMER EFF./DATE</b> SUM2603 CME-550X 81% 04/23/2019		<b>DRILL METHOD</b> Mud Rotary	<b>HAMMER TYPE</b> Automatic
<b>DRILLER</b> Moseley, M.G.	<b>START DATE</b> 08/06/19	<b>COMP. DATE</b> 08/06/19	<b>SURFACE WATER DEPTH</b> N/A



NCDOT BORE DOUBLE U4424\_GEO\_BRDG\_SUMMIT\_GINT.GPJ NC\_DOT.GDT 8/30/19

<b>WBS</b> 39062.1.2	<b>TIP</b> U-4424	<b>COUNTY</b> EDGECOMBE	<b>GEOLOGIST</b> Fischer, H./Shipman, M.
<b>SITE DESCRIPTION</b> NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass			<b>GROUND WTR (ft)</b>
<b>BORING NO.</b> B2-B	<b>STATION</b> 66+34	<b>OFFSET</b> 25 ft RT	<b>ALIGNMENT</b> -L-
<b>COLLAR ELEV.</b> 89.7 ft	<b>TOTAL DEPTH</b> 95.5 ft	<b>NORTHING</b> 779,380	<b>EASTING</b> 2,423,530
<b>DRILL RIG/HAMMER EFF./DATE</b> SUM2603 CME-550X 81% 04/23/2019		<b>DRILL METHOD</b> Mud Rotary	<b>HAMMER TYPE</b> Automatic
<b>DRILLER</b> Moseley, M.G.	<b>START DATE</b> 08/06/19	<b>COMP. DATE</b> 08/06/19	<b>SURFACE WATER DEPTH</b> N/A



# GEOTECHNICAL BORING REPORT

## BORE LOG

WBS 39062.1.2		TIP U-4424		COUNTY EDGECOMBE		GEOLOGIST Fischer, H./Shipman, M.	
SITE DESCRIPTION NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass						GROUND WTR (ft)	
BORING NO. B3-B		STATION 67+12		OFFSET 21 ft RT		ALIGNMENT -L-	
COLLAR ELEV. 89.1 ft		TOTAL DEPTH 106.1 ft		NORTHING 779,435		EASTING 2,423,585	
DRILL RIG/HAMMER EFF./DATE SUM2603 CME-550X 81% 04/23/2019			DRILL METHOD Mud Rotary		HAMMER TYPE Automatic		
DRILLER Moseley, M.G.		START DATE 08/08/19		COMP. DATE 08/08/19		SURFACE WATER DEPTH N/A	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
90																
	88.2	0.9		4	3	2										
	86.0	3.1		1	1	2										
85	84.5	4.6		1	1	2										
				WOH												
80	79.5	9.6		2	1	1										
75	74.5	14.6		2	1	1										
70	69.5	19.6		3	4	9										
65	64.5	24.6		3	3	4										
60	59.5	29.6		2	2	3										
55	54.5	34.6		2	2	3										
50	49.5	39.6		3	3	4										
45	44.5	44.6		2	3	4										
40	39.5	49.6		9	7	8										
35	34.5	54.6		3	3	3										
30	29.5	59.6		3	4	3										
25	24.5	64.6		9	13	14										
20	19.5	69.6		7	7	10										
15	14.5	74.6		10	15	18										
10																

WBS 39062.1.2		TIP U-4424		COUNTY EDGECOMBE		GEOLOGIST Fischer, H./Shipman, M.	
SITE DESCRIPTION NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass						GROUND WTR (ft)	
BORING NO. B3-B		STATION 67+12		OFFSET 21 ft RT		ALIGNMENT -L-	
COLLAR ELEV. 89.1 ft		TOTAL DEPTH 106.1 ft		NORTHING 779,435		EASTING 2,423,585	
DRILL RIG/HAMMER EFF./DATE SUM2603 CME-550X 81% 04/23/2019			DRILL METHOD Mud Rotary		HAMMER TYPE Automatic		
DRILLER Moseley, M.G.		START DATE 08/08/19		COMP. DATE 08/08/19		SURFACE WATER DEPTH N/A	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
10	9.5	79.6		6	8	11										
5	4.5	84.6		23	36	46										
0	-0.5	89.6		7	10	15										
-5	-5.5	94.6		8	8	11										
-10	-10.5	99.6		10	17	22										
-15	-15.5	104.6		10	13	19										

NCDOT BORE DOUBLE U4424\_GEO\_BRDG\_SUMMIT\_GINT.GPJ NC\_DOT.GDT 8/30/19



# GEOTECHNICAL BORING REPORT

## BORE LOG

WBS 39062.1.2		TIP U-4424		COUNTY EDGECOMBE		GEOLOGIST Fischer, H./Shipman, M.	
SITE DESCRIPTION NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass						GROUND WTR (ft)	
BORING NO. EB2-B		STATION 67+76		OFFSET 7 ft RT		ALIGNMENT -L-	
COLLAR ELEV. 112.0 ft		TOTAL DEPTH 105.5 ft		NORTHING 779,492		EASTING 2,423,620	
DRILL RIG/HAMMER EFF./DATE SUM2603 CME-550X 81% 04/23/2019			DRILL METHOD Mud Rotary		HAMMER TYPE Automatic		
DRILLER Moseley, M.G.		START DATE 08/02/19		COMP. DATE 08/02/19		SURFACE WATER DEPTH N/A	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
115															
110	110.5	1.5	7	14	15										
	108.0	4.0	11	12	14										
105	103.0	9.0	10	6	13										
100	98.0	14.0	10	12	12										
95	93.0	19.0	11	9	10										
90	88.0	24.0	11	10	7										
85	83.0	29.0	2	3	3										
80	78.0	34.0	WOH	1	2										
75	73.0	39.0	WOH	1	1										
70	68.0	44.0	4	5	4										
65	63.0	49.0	2	2	2										
60	58.0	54.0	2	2	3										
55	53.0	59.0	2	3	3										
50	48.0	64.0	2	2	3										
45	43.0	69.0	3	3	3										
40	38.0	74.0	12	9	11										
35															

WBS 39062.1.2		TIP U-4424		COUNTY EDGECOMBE		GEOLOGIST Fischer, H./Shipman, M.	
SITE DESCRIPTION NC 111 from NC 122 to US 64 Alternate - Bridge 152 on -L- (NC 111) over US 64 Bypass						GROUND WTR (ft)	
BORING NO. EB2-B		STATION 67+76		OFFSET 7 ft RT		ALIGNMENT -L-	
COLLAR ELEV. 112.0 ft		TOTAL DEPTH 105.5 ft		NORTHING 779,492		EASTING 2,423,620	
DRILL RIG/HAMMER EFF./DATE SUM2603 CME-550X 81% 04/23/2019			DRILL METHOD Mud Rotary		HAMMER TYPE Automatic		
DRILLER Moseley, M.G.		START DATE 08/02/19		COMP. DATE 08/02/19		SURFACE WATER DEPTH N/A	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
35															
	33.0	79.0	4	5	4										
30	28.0	84.0	3	11	18										
25	23.0	89.0	10	15	16										
20	18.0	94.0	6	10	18										
15	13.0	99.0	10	10	11										
10	8.0	104.0	6	9	11										

NCDOT BORE DOUBLE U4424\_GEO\_BRDG\_SUMMIT\_GINT.GPJ\_NC\_DOT.GDT 8/30/19

# SITE PHOTOGRAPHS

Bridge No. 152 on -L- (NC 111) over US 64 Bypass



Standing on NC 111 (W. Wilson St.) looking northeast toward End Bent 1



View of proposed Bridge 152 widening, view facing west from US 64 Bypass



Standing on NC 111 (W. Wilson St.) looking southwest toward End Bent 2

Note: Images are courtesy Google Maps street view.