GEOTECHNICAL BORING REPORT
BORE LOG

WBS 38466.1.FD2	**TIP** B-4683	**COUNTY** YADKIN	**GEOLOGIST** Murray, C. C.	
SITE DESCRIPTION REPLACE BRIDGE NO. 020 ON SR 1152 (NELLIE RD.) OVER SOUTH DEEP CREEK				**GROUND WTR (ft)**
BORING NO. B-1	**STATION** N/A	**OFFSET** N/A	**ALIGNMENT** N/A	**0 HR.** 8.0
COLLAR ELEV. 98.8 ft	**TOTAL DEPTH** 13.1 ft	**NORTHING** 858,507	**EASTING** 1,504,906	**24 HR.** 8.0
DRILL RIG/HAMMER EFF./DATE HFO0066 CME-550 81% 03/19/2014		**DRILL METHOD** NW Casing w/ Advancer	**HAMMER TYPE** Automatic	
DRILLER Estep, J. E.	**START DATE** 02/09/15	**COMP. DATE** 02/09/15	**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										98.8 GROUND SURFACE	0.0
95	94.1	4.7	0	2	2	4		M		**ROADWAY EMBANKMENT** RED-BRN SOFT TO MED. STIFF MOIST SANDY SILTY CLAY (A-7)	
90	89.1	9.7	1	3	3	6		M		89.6 **ALLUVIAL** RED MED. STIFF MOIST SANDY SILTY CLAY (A-7)	9.2
										86.2	12.6
										85.7 **WEATHERED ROCK** SEV. WEATH. CRYSTALLINE ROCK	13.1
										Boring Terminated WITH CASING ADVANCER REFUSAL at Elevation 85.7 ft ON CRYSTALLINE ROCK	

NCDOT BORE SINGLE B4683_GEO_BH_BRDG0020_PDEA.GPJ NC_DOT.GDT 7/17/17

GEOTECHNICAL BORING REPORT
BORE LOG

WBS 38466.1.FD2	**TIP** B-4683	**COUNTY** YADKIN	**GEOLOGIST** Murray, C. C.	
SITE DESCRIPTION REPLACE BRIDGE NO. 020 ON SR 1152 (NELLIE RD.) OVER SOUTH DEEP CREEK				**GROUND WTR (ft)**
BORING NO. B-2	**STATION** N/A	**OFFSET** N/A	**ALIGNMENT** N/A	**0 HR.** 8.5
COLLAR ELEV. 98.5 ft	**TOTAL DEPTH** 28.4 ft	**NORTHING** 858,589	**EASTING** 1,504,821	**24 HR.** 7.0
DRILL RIG/HAMMER EFF./DATE HFO0066 CME-550 81% 03/19/2014		**DRILL METHOD** NW Casing w/ Advancer	**HAMMER TYPE** Automatic	
DRILLER Estep, J. E.	**START DATE** 02/11/15	**COMP. DATE** 02/11/15	**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												
										GROUND SURFACE	98.5	0.0
95	93.7	4.8	0	2	2	4		M		**ROADWAY EMBANKMENT** RED-BRN SOFT TO MED. STIFF MOIST SANDY SILTY CLAY (A-7)	91.5	7.0
90	88.7	9.8	1	1	2	3		W		**ALLUVIAL** TAN-GRAY V. LOOSE WET CLAYEY SILTY SAND (A-2)	84.5	14.0
85	83.7	14.8	0	3	2	5		W		**ALLUVIAL** GRAY MED. STIFF WET SANDY SILTY CLAY (A-7)	80.5	18.0
80	78.7	19.8	1	0	0	0		W		**ALLUVIAL** GRAY-BLACK V. LOOSE WET CLAYEY SILTY CSE. SAND (A-2)	75.7	22.8
75										**WEATHERED ROCK** SEV. WEATH. CRYSTALLINE ROCK	70.1	28.4
										Boring Terminated WITH CASING ADVANCER REFUSAL at Elevation 70.1 ft ON CRYSTALLINE ROCK		

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