



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

November 14, 2012

Addendum No. 1

RE: **Contract ID: DD00041 (B-5108)**
Nash County

To Whom It May Concern:

Reference is made to the above-mentioned project. The following changes/additions/deletions have been made:

1. Incorporate the attached Geotechnical Boring Logs into the Proposal. The Logs are for informational purposes only and are not considered part of the contract.

This sheet and attachments shall be made a part of the plans and bid documents and shall be submitted with the bid. Bids submitted without the addenda and attachments will be considered non-responsive.

If there are any questions, please contact me at (252) 237-6164

Respectfully,

A handwritten signature in cursive script, appearing to read "W. M. Clarke".

W. M. Clarke
Division Four Proposals Engineer

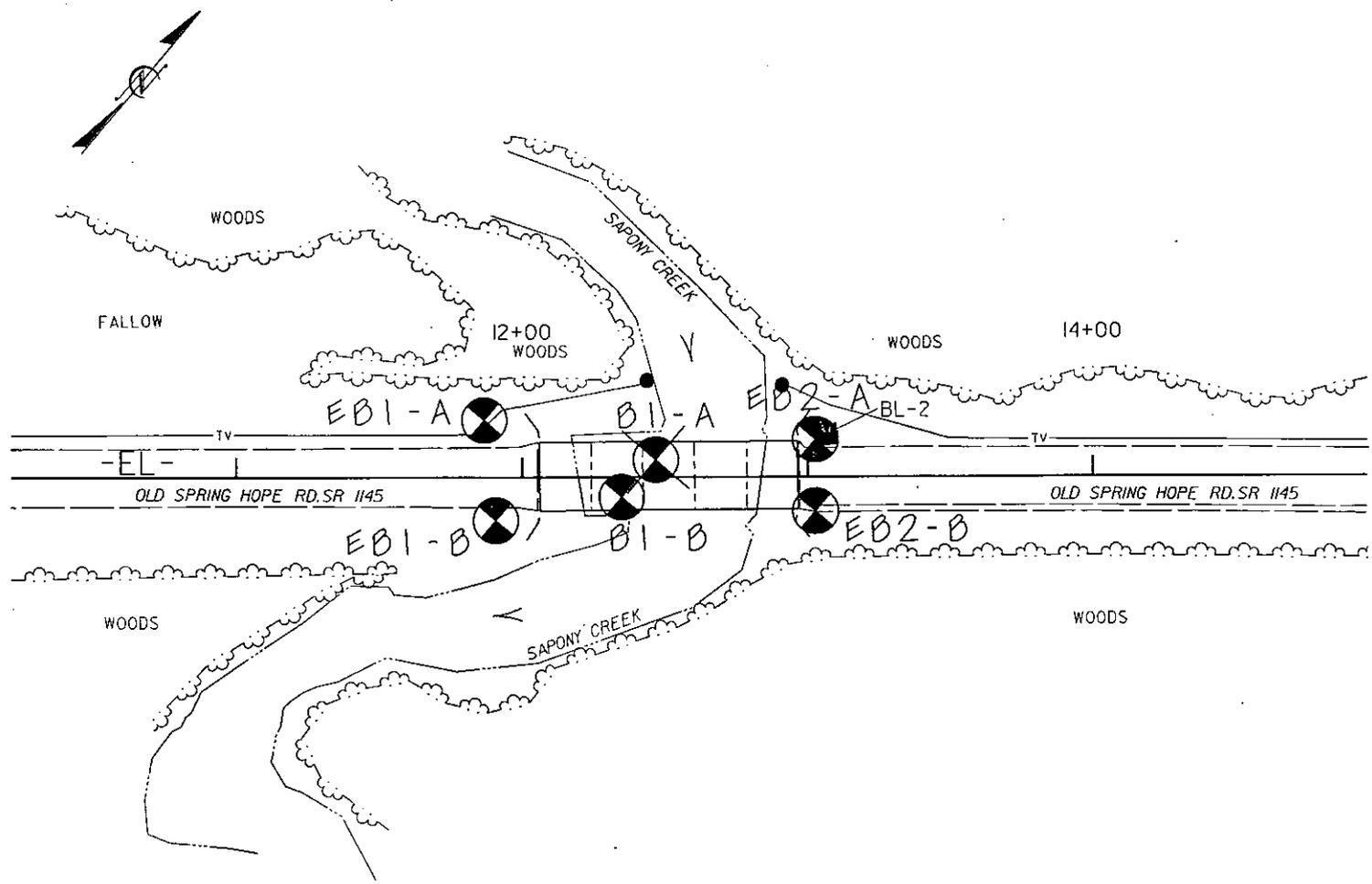
WMC/
Attachment

ATTACHMENT

GEOTECHNICAL BORING LOGS

The following Geotechnical Boring Logs are for information only and are not a part of this contract. This information is for investigation only and no accuracy is implied or guaranteed. No claim will be allowed as a result of the use of this information.

PROJECT REFERENCE NO.	SHEET
42245.1.1 (B-5108)	3
SITE PLAN	
FEET	





NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 42245.1.1	TIP B-5108	COUNTY NASH	GEOLOGIST Roberson, N. T.
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK			GROUND WTR (ft)
BORING NO. EB1-A	STATION 11+87	OFFSET 20 ft LT	ALIGNMENT -EL-
COLLAR ELEV. 182.4 ft	TOTAL DEPTH 13.2 ft	NORTHING 792,856	EASTING 2,281,849
DRILL RIG/HAMMER EFF./DATE TRI0055 CME-55 70% 12/08/2011		DRILL METHOD H.S. Augers	HAMMER TYPE Automatic
DRILLER Contract Driller		START DATE 02/22/10	COMP. DATE 02/22/10
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				
185													
180	179.3	3.1	2	4	3							182.4	GROUND SURFACE
												179.4	ROADWAY EMBANKMENT ORANGE-BROWN, SANDY CLAY
													ALLUVIAL GREEN GRAY, SANDY SILT
175	174.3	8.1	3	3	12							172.9	RESIDUAL GREEN GRAY, SAPROLITIC, SANDY SILT
170	169.3	13.1										170.3	WEATHERED ROCK (METAVOLCANIC)
												169.3	CRYSTALLINE ROCK (METAVOLCANIC)
												169.2	Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 169.2 ft IN CRYSTALLINE ROCK (METAVOLCANIC)

WBS 42245.1.1	TIP B-5108	COUNTY NASH	GEOLOGIST Roberson, N. T.
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK			GROUND WTR (ft)
BORING NO. EB1-B	STATION 11+91	OFFSET 15 ft RT	ALIGNMENT -EL-
COLLAR ELEV. 183.1 ft	TOTAL DEPTH 18.1 ft	NORTHING 792,832	EASTING 2,281,875
DRILL RIG/HAMMER EFF./DATE TRI0055 CME-55 70% 12/08/2011		DRILL METHOD H.S. Augers	HAMMER TYPE Automatic
DRILLER Contract Driller		START DATE 02/22/10	COMP. DATE 02/22/10
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				
185													
180	180.1	3.0	1	1	2							183.1	GROUND SURFACE
												179.6	ROADWAY EMBANKMENT RED-BROWN, SANDY CLAY
													ALLUVIAL TAN AND GRAY, SILTY SAND WITH GRAVEL
175	175.1	8.0	5	4	7							173.7	RESIDUAL GREEN-GRAY, SAPROLITIC, SANDY SILT
170	170.1	13.0										171.1	WEATHERED ROCK (METAVOLCANIC)
165	165.1	18.0										165.1	CRYSTALLINE ROCK (METAVOLCANIC)
												165.0	Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 165.0 ft IN CRYSTALLINE ROCK (METAVOLCANIC)



NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 42245.1.1	TIP B-5108	COUNTY NASH	GEOLOGIST Olt, O. B.	
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK				GROUND WTR (ft)
BORING NO. B1-A	STATION 12+47	OFFSET 6 ft LT	ALIGNMENT -EL-	0 HR. N/A
COLLAR ELEV. 176.6 ft	TOTAL DEPTH 36.3 ft	NORTHING 792,884	EASTING 2,281,904	24 HR. 7.0
DRILL RIG/HAMMER EFF./DATE	MAC1145 CME-55LC 88% 06/01/2011	DRILL METHOD NW Casing w/ Core	HAMMER TYPE Automatic	
DRILLER Contract Driller	START DATE 06/04/12	COMP. DATE 06/04/12	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						
180																
175	176.6	0.0	WOH	WOH	WOH								W	176.6	GROUND SURFACE	0.0
170	172.4	4.2	1	5	4								W	173.1	ALLUVIAL GRAY-TAN, SANDY SILT	3.9
165	167.4	9.2	6	12	15								W		RESIDUAL GREEN, TAN, AND GRAY, SAPROLITIC, SANDY SILT	
160	162.4	14.2	30	28	47								W			
155	157.4	19.2	60/0.1										M	157.6	WEATHERED ROCK (METAVOLCANIC)	19.0
150														157.4	CRYSTALLINE ROCK (METAVOLCANIC)	19.2
145														157.2	GREEN AND WHITE, VERY SLIGHTLY WEATHERED TO FRESH, VERY HARD, CLOSE TO MODERATELY CLOSE FRACTURE SPACING (METAVOLCANIC)	
														157.0	REC=90% RQD=85% RMR=56	
														140.3	Boring Terminated at Elevation 140.3 ft IN CRYSTALLINE ROCK (METAVOLCANIC)	36.3

BORE LOG FILE: GEO_BM_CP1_NC_DOT_GOT_EJ212



NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

WBS 42245.1.1	TIP B-5108	COUNTY NASH	GEOLOGIST Olt, O. B.	
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK				GROUND WTR (ft)
BORING NO. B1-A	STATION 12+47	OFFSET 6 ft LT	ALIGNMENT -EL-	0 HR. N/A
COLLAR ELEV. 176.6 ft	TOTAL DEPTH 36.3 ft	NORTHING 792,884	EASTING 2,281,904	24 HR. 7.0
DRILL RIG/HAMMER EFF./DATE	MAC1145 CME-55LC 88% 06/01/2011	DRILL METHOD NW Casing w/ Core	HAMMER TYPE Automatic	
DRILLER Contract Driller	START DATE 06/04/12	COMP. DATE 06/04/12	SURFACE WATER DEPTH N/A	

ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS	DEPTH (ft)
					REC (%)	RQD (%)		REC (%)	RQD (%)			
157.3	157.3	19.3	2.0	2.50/1.0	(1.0)	(0.8)	RS-1	(15.3)	(11.2)		157.3	Begin Coring @ 19.3 ft
155	155.3	21.3	5.0	2.45/1.0	(5.0)	(3.0)	RS-2	90%	68%		157.3	GREEN AND WHITE, VERY SLIGHTLY WEATHERED TO FRESH, VERY HARD, CLOSE TO MODERATELY CLOSE FRACTURE SPACING (METAVOLCANIC)
150	150.3	26.3	5.0	3.12/1.0	(3.0)	(3.0)					157.3	REC=90% RQD=85% RMR=56
145	145.3	31.3	5.0	3.09/1.0	(4.3)	(3.0)					157.3	
				3.11/1.0							157.3	
				3.15/1.0							157.3	
				3.26/1.0							157.3	
				2.46/1.0							157.3	
				3.08/1.0							157.3	
				2.28/1.0							157.3	
				3.43/1.0							157.3	
				3.50/1.0							157.3	
				3.25/1.0							157.3	
				3.27/1.0							157.3	
											140.3	Boring Terminated at Elevation 140.3 ft IN CRYSTALLINE ROCK (METAVOLCANIC)

BORE LOG FILE: GEO_BM_CP1_NC_DOT_GOT_EJ212

WBS 42245 1.1		TIP B-5108		COUNTY NASH		GEOLOGIST Mohs, N. D.										
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK							GROUND WTR (ft)									
BORING NO. B1-B		STATION 12+35		OFFSET 7 ft RT		ALIGNMENT -EL-										
COLLAR ELEV. 178.1 ft		TOTAL DEPTH 17.7 ft		NORTHING 792,865		EASTING 2,281,903										
DRILL RIG/HAMMER EFF/DATE RFO0067 CME-550X 77% 03/15/2010		DRILL METHOD NW Casing w/ Advancer		HAMMER TYPE Automatic												
DRILLER Conley, H. R.		START DATE 11/30/09		COMP. DATE 11/30/09		SURFACE WATER DEPTH 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						
180	178.1	0.0												178.1	GROUND SURFACE	0.0
175	175.4	2.7	0	2	5									174.9	ALLUVIAL BROWN, SILTY CLAY	3.2
170	170.4	7.7	38	6	10.4									171.9	RESIDUAL GREEN, SANDY SILT	6.2
165	165.4	12.7	100	0	2										WEATHERED ROCK (METAVOLCANIC)	
	160.4	17.7	80	0	0									160.4	CRYSTALLINE ROCK (METAVOLCANIC)	17.7
															Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 160.4 ft IN CRYSTALLINE ROCK (METAVOLCANIC)	

NC DOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 42245.1.1		TIP B-5108		COUNTY NASH		GEOLOGIST Roberson, N. T.										
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK						GROUND WTR (ft)										
BORING NO. EB2-A		STATION 13+03		OFFSET 13 ft LT		ALIGNMENT -EL-										
COLLAR ELEV. 183.3 ft		TOTAL DEPTH 18.1 ft		NORTHING 792,926		EASTING 2,281,942										
DRILL RIGHAMMER EFF./DATE TRI0055 CME-55 70% 12/09/2011		DRILL METHOD H.S. Augers		HAMMER TYPE Automatic												
DRILLER Contract Driller		START DATE 02/23/10		COMP. DATE 02/23/10		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		
185													183.3	0.0	GROUND SURFACE	
													179.8	3.5	ROADWAY EMBANKMENT ORANGE-BROWN, CLAYEY SAND	
180	180.3	3.0	6	6	10										ALLUVIAL TAN, SILTY SAND	
175	175.3	6.0	5	5	9											
170	170.3	13.0	34	66/0.1									172.8	10.5	RESIDUAL GREEN-GRAY, SAPROLITIC, SANDY SILT	
													170.8	12.5	WEATHERED ROCK (METAVOLCANIC)	
													165.3	18.0	CRYSTALLINE ROCK (METAVOLCANIC)	
													165.2	18.1		
													Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 165.2 ft IN CRYSTALLINE ROCK (METAVOLCANIC)			

WBS 42245.1.1		TIP B-5108		COUNTY NASH		GEOLOGIST Chi, O. B.										
SITE DESCRIPTION BRIDGE NO. 26 ON SR 1145 (OLD SPRING HOPE ROAD) OVER SAPONY CREEK						GROUND WTR (ft)										
BORING NO. EB2-B		STATION 13+03		OFFSET 12 ft RT		ALIGNMENT -EL-										
COLLAR ELEV. 183.3 ft		TOTAL DEPTH 24.0 ft		NORTHING 792,907		EASTING 2,281,958										
DRILL RIGHAMMER EFF./DATE MAC1145 CME-55LC 88% 001/2011		DRILL METHOD H.S. Augers		HAMMER TYPE Automatic												
DRILLER Contract Driller		START DATE 06/04/12		COMP. DATE 06/04/12		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		
185													183.3	0.0	GROUND SURFACE	
													179.3	4.0	ROADWAY EMBANKMENT TAN-BROWN, SANDY SILT	
180	180.3	3.0	2	3	3										ALLUVIAL TAN-GRAY, SANDY SILT	
175	175.3	6.0	2	3	4											
170	170.3	13.0	9	13	14								173.8	9.5	RESIDUAL TAN-GRAY, SANDY SILT	
													172.8	10.5	WEATHERED ROCK (METAVOLCANIC)	
													169.3	14.0		
													165.3	18.0	CRYSTALLINE ROCK (METAVOLCANIC)	
													165.2	18.1		
													Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 159.3 ft ON CRYSTALLINE ROCK (METAVOLCANIC)			