NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 34352.1.1	TIP R-0623	COUNTY MONTGOMERY	GEOLOGIST Hvozdik, J
SITE DESCRIPTION Dual Bridges on -L- over Warner Creek			GROUND WTR (ft)
BORING NO. B2-B LL	STATION 124+18	OFFSET 19 ft LT	ALIGNMENT -L-
COLLAR ELEV. 453.8 ft	TOTAL DEPTH 40.5 ft	NORTHING 578,463	EASTING 1,729,296
DRILL RIG/HAMMER EFF./DATE AME249533 CME-550X 91% 05/08/2012		DRILL METHOD H.S. Augers	HAMMER TYPE Automatic
DRILLER Boyce, B	START DATE 03/11/13	COMP. DATE 03/11/13	SURFACE WATER DEPTH N/A

GROUND WTR (ft): 0 HR. 3.6; 24 HR. FIAD

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)
455											
	452.8	1.0								453.8 GROUND SURFACE	0.0
			2	6	12	18		M		**ALLUVIAL** LIGHT GRAY, SANDY SILT (A-4)	
450	450.3	3.5								450.8	3.0
			11	8	10	18		W		LIGHT GRAY, ORANGE, AND BROWN, SILTY SAND (A-2-4)	
	447.8	6.0								447.8	6.0
			19	25	40	65		M		**RESIDUAL** DARK BROWN, GRAY, AND PINK, SILTY SAND (A-2-4), SAPROLITIC	
445	445.3	8.5								445.8	8.0
			34	66/0.5		100/1.0				**WEATHERED ROCK** LIGHT GRAY, BROWN, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
440	440.3	13.5	100/0.2			100/0.2					
435	435.3	18.5	100/0.2			100/0.2					
	431.8	22.0	60/0.0			60/0.0				431.8	22.0
430										**CRYSTALLINE ROCK** GRAY, PURPLE, AND BROWN, METAVOLCANIC (FELSIC) TUFF	
										428.3	25.5
425										LIGHT GRAY AND ORANGE, METAVOLCANIC (FELSIC) TUFF W/ COMPLETELY WEATHERED ZONES AT 30.0'-30.5'	
										423.3	30.5
420										GRAY, PURPLE, AND BROWN, METAVOLCANIC (FELSIC) TUFF	
415										413.3	40.5
										Boring Terminated at Elevation 413.3 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT BORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_WARNER_CREEK.GPJ NC_DOT.GDT 6/11/13

NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

WBS 34352.1.1	TIP R-0623	COUNTY MONTGOMERY	GEOLOGIST Hvozdik, J
SITE DESCRIPTION Dual Bridges on -L- over Warner Creek			GROUND WTR (ft)
BORING NO. B2-B LL	STATION 124+18	OFFSET 19 ft LT	ALIGNMENT -L-
COLLAR ELEV. 453.8 ft	TOTAL DEPTH 40.5 ft	NORTHING 578,463	EASTING 1,729,296
DRILL RIG/HAMMER EFF./DATE AME249533 CME-550X 91% 05/08/2012		DRILL METHOD H.S. Augers	HAMMER TYPE Automatic
DRILLER Boyce, B	START DATE 03/11/13	COMP. DATE 03/11/13	SURFACE WATER DEPTH N/A
CORE SIZE NQ	TOTAL RUN 18.5 ft		

GROUND WTR (ft): 0 HR. 3.6; 24 HR. FIAD

ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS ELEV. (ft)	DEPTH (ft)
431.8											Begin Coring @ 22.0 ft	
430	431.8	22.0	3.5	6:39/1.0 3:59/1.0 4:51/1.0 3:23/0.5	(3.4) 97%	(1.3) 37%		(3.5) 100%	(1.3) 37%		431.8 **CRYSTALLINE ROCK** GRAY, PURPLE, AND BROWN, MOD. TO MOD. SEV. WEATHERED, MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	22.0
	428.3	25.5	5.0	4:58/1.0 5:10/1.0 6:10/1.0 6:49/1.0 9:47/1.0	(2.0) 40%	(0.8) 16%		(2.0) 40%	(0.8) 16%		428.3 LIGHT GRAY AND ORANGE, MOD. TO MOD. SEV. WEATHERED, MOD. HARD TO SOFT, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF W/ COMPLETELY WEATHERED ZONES AT 30.0'-30.5'	25.5
425	423.3	30.5	5.0	3:02/1.0 2:43/1.0 2:43/1.0 3:19/1.0 3:40/1.0	(4.9) 98%	(4.0) 80%		(9.7) 97%	(7.0) 70%		423.3 LIGHT GRAY AND ORANGE, MOD. TO MOD. SEV. WEATHERED, MOD. HARD TO MED. HARD, MOD. CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	30.5
420	418.3	35.5	5.0	3:23/1.0 3:50/1.0 3:28/1.0 3:36/1.0 4:51/1.0	(4.8) 96%	(3.0) 60%						
415	413.3	40.5									413.3 Boring Terminated at Elevation 413.3 ft IN CR: METAVOLCANIC (FELSIC) TUFF	40.5

NCDOT CORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_WARNER_CREEK.GPJ NC_DOT.GDT 6/11/13