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 RL	**STATION** 124+45	**OFFSET** 55 ft RT	**ALIGNMENT** -L- / **0 HR.** 8.9
COLLAR ELEV. 453.3 ft	**TOTAL DEPTH** 46.0 ft	**NORTHING** 578,385	**EASTING** 1,729,290 / **24 HR.** FIAD
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** 03/15/13	**COMP. DATE** 03/15/13	**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)
455											
	452.3	1.0								453.3 GROUND SURFACE	0.0
			3	1	1	2		M		**ALLUVIAL** BROWN, SANDY CLAY (A-6) WITH TRACE ORGANICS (ROOTS)	
450	449.8	3.5								450.3	3.0
			2	2	1	3		W		LIGHT BROWN AND DARK GRAY, CLAYEY SILTY SAND (A-2-4)	
	447.3	6.0								447.8	5.5
			39	53	47/0.2	100/0.7				**WEATHERED ROCK** LIGHT GRAY, BROWN, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
445	444.8	8.5									
			59	11/0.0		100/0.5					
440	439.8	13.5									
			100/0.2			100/0.2					
435	434.8	18.5									
			100/0.3			100/0.3					
430	429.8	23.5									
			44	56/0.2		100/0.7					
425	424.8	28.5								424.8	28.5
			60/0.0			60/0.0				423.7 **CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND BROWN, METAVOLCANIC (FELSIC) TUFF	29.6
										422.5 **WEATHERED ROCK** ORANGE AND GRAY, METAVOLCANIC (FELSIC) TUFF	30.8
420										**CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND BROWN, METAVOLCANIC (FELSIC) TUFF	
415											
410										407.3	46.0
										Boring Terminated at Elevation 407.3 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

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 RL	**STATION** 124+45	**OFFSET** 55 ft RT	**ALIGNMENT** -L- / **0 HR.** 8.9
COLLAR ELEV. 453.3 ft	**TOTAL DEPTH** 46.0 ft	**NORTHING** 578,385	**EASTING** 1,729,290 / **24 HR.** FIAD
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** 03/15/13	**COMP. DATE** 03/15/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 17.5 ft		

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)
424.8											Begin Coring @ 28.5 ft	
	424.8	28.5	2.5	4:49/1.0 4:05/1.0 2:51/0.5	(2.2) 88%	(0.7) 28%		(1.1) 100%	(0.7) 64%		424.8 **CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND BROWN, MOD. TO MOD. SEV. WEATHERED, MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	28.5
	422.3	31.0									423.7	29.6
			5.0	2:53/1.0 3:17/1.0 3:06/1.0 3:56/1.0 5:19/1.0	(4.8) 96%	(1.6) 32%		(0.9) 75%	(0.0) 0%		422.5 **WEATHERED ROCK** ORANGE AND GRAY, SEV. WEATHERED, SOFT, V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	30.8
420												
	417.3	36.0						(15.0) 99%	(9.4) 62%		**CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND BROWN, MOD. TO MOD. SEV. WEATHERED, MOD. HARD, CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
			5.0	2:42/1.0 2:35/1.0 2:57/1.0 2:41/1.0 2:49/1.0	(5.0) 100%	(3.6) 72%						
415												
	412.3	41.0										
			5.0	3:46/1.0 2:57/1.0 2:48/1.0 2:47/1.0 3:03/1.0	(5.0) 100%	(4.2) 84%						
410												
	407.3	46.0									407.3	46.0
											Boring Terminated at Elevation 407.3 ft IN CR: METAVOLCANIC (FELSIC) TUFF	