NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 34352.1.1	**TIP** R-0623	**COUNTY** MONTGOMERY	**GEOLOGIST** Crockett, S
SITE DESCRIPTION Dual Bridges on -L- over Warner Creek			**GROUND WTR (ft)**
BORING NO. B1-B RL	**STATION** 123+60	**OFFSET** 55 ft RT	**ALIGNMENT** -L- / **0 HR.** 5.1
COLLAR ELEV. 453.5 ft	**TOTAL DEPTH** 51.5 ft	**NORTHING** 578,419	**EASTING** 1,729,212 / **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** 03/20/13	**COMP. DATE** 03/21/13	**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											
										453.5 GROUND SURFACE	0.0
	452.5	1.0								**ALLUVIAL** GRAY AND BROWN, SANDY CLAY (A-6)	
			1	1	1	2		M			
450	450.0	3.5									
			WOH	WOH	2	2					
	447.5	6.0								447.5	6.0
			83	17/0.1		100/0.6				**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PINK, METAVOLCANIC (FELSIC) TUFF	
445	445.0	8.5									
			27	60	40/0.2	100/0.7					
440	440.0	13.5									
			77	23/0.2		100/0.7					
435	435.0	18.5									
			17	83/0.5		100/1.0					
430	430.0	23.5									
			100/0.4			100/0.4					
425	425.0	28.5									
	424.0	29.5	49	51/0.3		100/0.8				424.0	29.5
			60/0.1			60/0.1				**CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
420										419.2	34.3
										418.4 **WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	35.1
415										414.2 **CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	39.3
410										**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
										407.2	46.3
405										**CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
										402.0	51.5
										Boring Terminated at Elevation 402.0 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING REPORT

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SITE DESCRIPTION Dual Bridges on -L- over Warner Creek			**GROUND WTR (ft)**
BORING NO. B1-B RL	**STATION** 123+60	**OFFSET** 55 ft RT	**ALIGNMENT** -L- / **0 HR.** 5.1
COLLAR ELEV. 453.5 ft	**TOTAL DEPTH** 51.5 ft	**NORTHING** 578,419	**EASTING** 1,729,212 / **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** 03/20/13	**COMP. DATE** 03/21/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 22.0 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											Begin Coring @ 29.5 ft	
	424.0	29.5	2.0	3;34/1.0 4;51/1.0	(1.3) 65%	(0.4) 18%		(4.1) 85%	(2.6) 54%		424.0 **CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PURPLE, MOD. SEV. WEATHERED, MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	29.5
	422.0	31.5	5.0	2:35/1.0 3:55/1.0 2:27/1.0 3:40/1.0 4:36/1.0	(5.0) 100%	(3.1) 62%						
420											419.2	34.3
	417.0	36.5						(0.8) 100%	(0.0) 0%		418.4 **WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PURPLE, SEV. WEATHERED, SOFT, V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	35.1
415			5.0	3:12/1.0 4:00/1.0 4:03/1.0 6:06/1.0 5:46/1.0	(4.9) 98%	(0.4) 7%		(4.2) 100%	(1.3) 31%		414.2 **CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PURPLE, MOD. SEV. WEATHERED, MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	39.3
	412.0	41.5						(5.7) 81%	(0.0) 0%			
410			5.0	4:47/1.0 5:08/1.0 3;08/1.0 2:30/1.0 5:25/1.0	(3.8) 76%	(0.0) 0%					**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PURPLE, SEV. WEATHERED, MED. HARD TO SOFT, V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
	407.0	46.5									407.2	46.3
405			5.0	2:47/1.0 2:09/1.0 3:22/1.0 4:03/1.0 3:19/1.0	(4.5) 90%	(3.0) 60%		(4.7) 90%	(3.0) 58%		**CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PURPLE, MOD. SEV. WEATHERED, MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
	402.0	51.5									402.0	51.5
											Boring Terminated at Elevation 402.0 ft IN CR: METAVOLCANIC (FELSIC) TUFF	