NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

SHEET

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 LL	**STATION** 123+33	**OFFSET** 19 ft LT	**ALIGNMENT** -L-	**0 HR.** 6.0
COLLAR ELEV. 454.3 ft	**TOTAL DEPTH** 40.5 ft	**NORTHING** 578,498	**EASTING** 1,729,218	**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** 03/19/13	**COMP. DATE** 03/19/13	**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											
										454.3 GROUND SURFACE	0.0
	453.3	1.0								**ALLUVIAL** LIGHT BROWN AND GRAY, SILTY SAND (A-2-4) WITH TRACE ORAGNICS (ROOTS)	
450	450.8	3.5	4	8	12	20		D			
			15	15	12	27		M			
	448.3	6.0								448.3	6.0
			38	33	18	51		D		**RESIDUAL** LIGHT BROWN, GRAY, AND PURPLE, SILTY SAND (A-2-4) WITH WR FRAGMENTS	
445	445.8	8.5	8	12	88/0.4					444.8	9.5
						100/0.9				**WEATHERED ROCK** DARK BROWN, BLACK, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
440	441.5	12.8	73	27/0.2		100/0.7					
435	435.8	18.5									
	435.3	19.0	100/0.4			100/0.4				435.3	19.0
			60/0.0			60/0.0				**CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PINK, METAVOLCANIC (FELSIC) TUFF	
430							RS-1				
425										426.5	27.8
										WEATHERED ROCK LIGHT GRAY, ORANGE, AND LIGHT GREEN, METAVOLCANIC (FELSIC) TUFF	
420										420.1	34.2
										418.8 **CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PINK, METAVOLCANIC (FELSIC) TUFF	35.5
415										**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PINK, METAVOLCANIC (FELSIC) TUFF	
										413.8	40.5
										Boring Terminated at Elevation 413.8 ft IN WR: METAVOLCANIC (FELSIC) TUFF	

NCDOT GEOTECHNICAL ENGINEERING UNIT
CORE BORING 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 LL	**STATION** 123+33	**OFFSET** 19 ft LT	**ALIGNMENT** -L-	**0 HR.** 6.0
COLLAR ELEV. 454.3 ft	**TOTAL DEPTH** 40.5 ft	**NORTHING** 578,498	**EASTING** 1,729,218	**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** 03/19/13	**COMP. DATE** 03/19/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 21.5 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)
435											Begin Coring @ 19.0 ft	
	435.3	19.0	1.5	3:40/1.0 1:33/0.5	(1.5) 100%	(0.7) 47%		(8.5) 97%	(3.8) 43%		435.3 **CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PINK, MOD. TO MOD. SEV. WEATHERED, MED. TO MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	19.0
	433.8	20.5	5.0	3:13/1.0 2:58/1.0 3:24/1.0 3:35/1.0 4:42/1.0	(4.7) 94%	(2.2) 44%						
430	428.8	25.5					RS-1				R1=7, R2=8, R3=10, R4=6, R5=4, RMR=35 (CLASS IV - POOR ROCK, TYPE D)	
			5.0	2:43/1.0 2:07/1.0 2:23/1.0 1:48/1.0 2:18/1.0	(3.4) 68%	(0.9) 18%					426.5	27.8
425	423.8	30.5						(3.0) 47%	(0.0) 0%		**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND LIGHT GREEN, SEV. WEATHERED, MED. HARD TO SOFT, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
			5.0	1:52/1.0 1:16/1.0 2:02/1.0 2:05/1.0 0:41/1.0	(3.2) 64%	(1.1) 22%						
420	418.8	35.5						(1.3) 100%	(1.1) 85%		420.1	34.2
			5.0	2:11/1.0 2:33/1.0 2:39/1.0 1:43/1.0 1:41/1.0	(3.4) 68%	(1.4) 28%		(3.9) 78%	(1.4) 28%		418.8 **CRYSTALLINE ROCK** LIGHT GRAY, ORANGE, AND PINK, MOD. SEV. WEATHERED, MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	35.5
415	413.8	40.5									**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PINK, SEV. WEATHERED, SOFT, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
											413.8	40.5
											Boring Terminated at Elevation 413.8 ft IN WR: METAVOLCANIC (FELSIC) TUFF	