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-A LL	**STATION** 123+20	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 5.2
COLLAR ELEV. 454.1 ft	**TOTAL DEPTH** 55.5 ft	**NORTHING** 578,536	**EASTING** 1,729,221 / **24 HR.** 3.0
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** 03/20/13	**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										454.1 GROUND SURFACE	0.0
	453.1	1.0								**ALLUVIAL** LIGHT GRAY AND BROWN, SANDY CLAY (A-6)	
450	450.6	3.5	2	2	2	4		M			
	448.1	6.0	2	2	6	8				447.6	6.5
445	445.6	8.5	10	31	69/0.5	100/1.0				**WEATHERED ROCK** LIGHT GRAY, BROWN, AND PINK, METAVOLCANIC (FELSIC) TUFF	
			41	59/0.5		100/1.0					
440	440.6	13.5	20	41	35	76		D		440.6	13.5
435	435.6	18.5	57	14	10	24		W		**RESIDUAL** LIGHT GRAY, BROWN, AND ORANGE, CLAYEY SAND (A-2-6) WITH WR FRAGMENTS	
430	430.6	23.5	100/0.4			100/0.4				430.6	23.5
										WEATHERED ROCK LIGHT GRAY, BROWN, AND BLACK, METAVOLCANIC (FELSIC) TUFF	
425	425.6	28.5	100/0.4			100/0.4					
420	420.6	33.5	100/0.3			100/0.3					
415	415.6	38.5	100/0.3			100/0.3					
	414.1	40.0	60/0.0			60/0.0				414.1	40.0
410										**CRYSTALLINE ROCK** GRAY, PURPLE, AND BLACK, METAVOLCANIC (FELSIC) TUFF	
405											
400										398.6	55.5
										Boring Terminated at Elevation 398.6 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT BORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_WARNER_CREEK.GPJ NC_DOT.GDT 5/28/13

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-A LL	**STATION** 123+20	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 5.2
COLLAR ELEV. 454.1 ft	**TOTAL DEPTH** 55.5 ft	**NORTHING** 578,536	**EASTING** 1,729,221 / **24 HR.** 3.0
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** 03/20/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 15.5 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)
414.1											Begin Coring @ 40.0 ft	
	414.1	40.0	0.5	2:13/0.5	(0.2)	(0.0)		(14.4)	(9.6)		414.1 **CRYSTALLINE ROCK** GRAY, PURPLE, AND BLACK, SLI. TO MOD. SEV. WEATHERED, HARD TO SOFT, MOD. CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	40.0
	413.6	40.5	5.0	4:10/1.0 3:27/1.0 3:35/1.0 3:37/1.0 4:10/1.0	40% (4.9) 98%	0% (1.9) 38%		93%	62%			
410	408.6	45.5	5.0	3:56/1.0 4:03/1.0 4:15/1.0 4:44/1.0 4:55/1.0	(4.8) 96%	(3.9) 78%						
405	403.6	50.5	5.0	4:10/1.0 3:59/1.0 4:21/1.0 4:17/1.0 4:21/1.0	(4.5) 90%	(3.8) 76%						
400	398.6	55.5									398.6	55.5
											Boring Terminated at Elevation 398.6 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT CORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_WARNER_CREEK.GPJ NC_DOT.GDT 5/28/13