NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

SHEET

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-A RL	**STATION** 124+32	**OFFSET** 19 ft RT	**ALIGNMENT** -L-	**0 HR.** 6.0
COLLAR ELEV. 453.7 ft	**TOTAL DEPTH** 46.0 ft	**NORTHING** 578,423	**EASTING** 1,729,293	**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** 03/13/13	**COMP. DATE** 03/14/13	**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											
										453.7 GROUND SURFACE	0.0
	452.7	1.0								**ALLUVIAL** BROWN AND GRAY, SILTY SANDY CLAY (A-6) WITH TRACE ORGANICS	
			1	1	1	2		W			
450	450.2	3.5								450.4	3.3
			1	1	2	3		W		GRAY, SILTY SAND (A-2-4) WITH QUARTZ FRAGMENTS	
	447.7	6.0								448.2	5.5
			45	55/0.4		100/0.9				**WEATHERED ROCK** BROWN, LIGHT GRAY, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
445	445.2	8.5									
			68	32/0.2		100/0.7					
440	440.2	13.5								440.2	13.5
			60/0.1			60/0.1				**CRYSTALLINE ROCK** BROWN AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
435	435.2	18.5									
			60/0.1			60/0.1					
	432.7	21.0	60/0.0			60/0.0				432.7	21.0
430										**CRYSTALLINE ROCK** GRAY, PURPLE, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
425										426.2	27.5
										WEATHERED ROCK LIGHT GRAY, PURPLE, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
							RS-4			422.5	31.2
420										**CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
										419.7	34.0
										WEATHERED ROCK LIGHT GRAY, PURPLE, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
415										417.3	36.4
										CRYSTALLINE ROCK LIGHT GRAY, PURPLE, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
410											
										407.7	46.0
										Boring Terminated at Elevation 407.7 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

SHEET 29

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-A RL	**STATION** 124+32	**OFFSET** 19 ft RT	**ALIGNMENT** -L-	**0 HR.** 6.0
COLLAR ELEV. 453.7 ft	**TOTAL DEPTH** 46.0 ft	**NORTHING** 578,423	**EASTING** 1,729,293	**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** 03/13/13	**COMP. DATE** 03/14/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 25.0 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)
432.7											Begin Coring @ 21.0 ft	
	432.7	21.0	5.0	4:28/1.0 3:01/1.0 3:12/1.0 3:06/1.0 3:21/1.0	(4.4) 88%	(0.4) 7%		(5.9) 91%	(1.7) 26%		432.7 **CRYSTALLINE ROCK** GRAY, PURPLE, AND ORANGE, MOD. SEV. WEATHERED, MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF WITH QUARTZ SEAMS	21.0
430												
	427.7	26.0										
			5.0	2:51/1.0 3:00/1.0 3:00/1.0 3:43/1.0 3:35/1.0	(3.0) 60%	(1.3) 26%		(1.7) 46%	(0.0) 0%		426.2 **WEATHERED ROCK** LIGHT GRAY, PURPLE, AND ORANGE, SEV. WEATHERED, SOFT, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	27.5
425												
	422.7	31.0									422.5	31.2
			5.0	2:42/1.0 2:55/1.0 3:03/1.0 3:29/1.0 2:42/1.0	(3.7) 74%	(1.0) 20%	RS-4	(2.8) 100%	(1.0) 36%		**CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND ORANGE, SLI. TO MOD. SEV. WEATHERED, MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF WITH QUARTZ SEAMS	
420											419.7	34.0
	417.7	36.0						(1.1) 46%	(0.0) 0%		417.3	36.4
			5.0	2:00/1.0 3:14/1.0 2:39/1.0 2:32/1.0 3:06/1.0	(4.1) 82%	(0.0) 0%		(8.3) 86%	(2.9) 30%		R1=2, R2=3, R3=10, R4=6, R5=4, RMR=25 (CLASS IV - POOR ROCK, TYPE D)	
415											**WEATHERED ROCK** LIGHT GRAY, PURPLE, AND ORANGE, SEV. WEATHERED, SOFT, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
	412.7	41.0										
			5.0	2:38/1.0 2:54/1.0 3:30/1.0 3:05/1.0 3:43/1.0	(4.6) 92%	(2.9) 58%					**CRYSTALLINE ROCK** LIGHT GRAY, PURPLE, AND ORANGE, SLI. TO MOD. SEV. WEATHERED, MOD. HARD, MOD. CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
410												
	407.7	46.0									407.7	46.0
											Boring Terminated at Elevation 407.7 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

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