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 LL	**STATION** 124+05	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 4.7
COLLAR ELEV. 454.1 ft	**TOTAL DEPTH** 36.0 ft	**NORTHING** 578,501	**EASTING** 1,729,298 / **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** 03/13/13	**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											
	453.1	1.0								454.1 GROUND SURFACE	0.0
			2	1	2	3		W		**ALLUVIAL** BROWN AND GRAY, SANDY CLAY (A-6) WITH TRACE ORGANICS	
450	450.6	3.5								451.1	3.0
			WOH	1	1	2				LIGHT BROWN AND DARK GRAY, SILTY SAND (A-2-4)	
	448.1	6.0								448.6	5.5
			19	58	42/0.3					**WEATHERED ROCK** DARK BROWN, LIGHT GRAY, AND GREEN, METAVOLCANIC (FELSIC) TUFF	
445	445.6	8.5				100/0.8					
			33	61	39/0.4	100/0.9					
440	440.6	13.5				60/0.0				440.6	13.5
			60/0.0							**WEATHERED ROCK** GRAY, BROWN, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
										436.7	17.4
435										**CRYSTALLINE ROCK** GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
							RS-3			434.1	20.0
										WEATHERED ROCK GRAY, BROWN, AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
430										431.0	23.1
										430.2	23.9
										CRYSTALLINE ROCK LIGHT GRAY AND ORANGE, METAVOLCANIC (FELSIC) TUFF	
425										427.8	26.3
										WEATHERED ROCK LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
										425.8	28.3
										423.5	30.6
420										**CRYSTALLINE ROCK** LIGHT GRAY, BROWN, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	
										WEATHERED ROCK LIGHT GRAY AND BROWN, METAVOLCANIC (FELSIC) TUFF	
										418.1	36.0
										CRYSTALLINE ROCK LIGHT GRAY, ORANGE, AND PURPLE, METAVOLCANIC (FELSIC) TUFF	

Boring Terminated at Elevation 418.1 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-A LL	**STATION** 124+05	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 4.7
COLLAR ELEV. 454.1 ft	**TOTAL DEPTH** 36.0 ft	**NORTHING** 578,501	**EASTING** 1,729,298 / **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** 03/13/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 22.5 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)
440.6											Begin Coring @ 13.5 ft	
440	440.6	13.5	2.5	3:29/1.0 3:20/1.0 2:01/0.5	(1.8) 72%	(0.0) 0%		(2.8) 72%	(0.0) 0%		440.6 **WEATHERED ROCK** GRAY, BROWN, AND ORANGE, SEV. WEATHERED, MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	13.5
	438.1	16.0									436.7	17.4
435			5.0	3:07/1.0 2:34/1.0 2:31/1.0 2:40/1.0 2:18/1.0	(4.3) 86%	(1.2) 24%		(2.6) 100%	(1.2) 46%		434.1 **CRYSTALLINE ROCK** GRAY, ORANGE, AND PURPLE, MOD. TO V. SEV. WEATHERED, MOD. TO MED. HARD, V. CLOSELY TO CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	20.0
	433.1	21.0					RS-3	(2.3) 74%	(0.0) 0%		431.0	23.1
430			5.0	2:40/1.0 3:01/1.0 3:04/1.0 3:17/1.0 7:13/1.0	(4.1) 82%	(0.8) 16%		(0.8) 100%	(0.8) 100%		430.2 R1=4, R2=8, R3=10, R4=6, R5=4, RMR=32 (CLASS IV - POOR ROCK, TYPE D)	23.9
	428.1	26.0						(2.0) 83%	(0.0) 0%		427.8 **WEATHERED ROCK** GRAY, BROWN, AND ORANGE, SEV. WEATHERED, MED. HARD, V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	26.3
425			5.0	2:41/1.0 3:23/1.0 4:36/1.0 4:57/1.0 4:22/1.0	(3.5) 70%	(1.8) 36%		(2.0) 100%	(1.8) 90%		425.8	28.3
	423.1	31.0						(0.8) 35%	(0.0) 0%		423.5 **CRYSTALLINE ROCK** LIGHT GRAY AND ORANGE, SLI. WEATHERED, MOD. HARD, CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	30.6
420			5.0	3:11/1.0 3:36/1.0 3:04/1.0 3:00/1.0 3:48/1.0	(5.0) 100%	(2.6) 52%		(5.4) 100%	(2.6) 48%		**WEATHERED ROCK** LIGHT GRAY, ORANGE, AND PURPLE, SEV. WEATHERED, SOFT TO MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
	418.1	36.0									418.1	36.0
											CRYSTALLINE ROCK LIGHT GRAY, BROWN, AND PURPLE, SLI. WEATHERED, MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
											WEATHERED ROCK LIGHT GRAY AND BROWN, SEV. WEATHERED, MED. HARD, V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	
											CRYSTALLINE ROCK LIGHT GRAY, ORANGE, AND PURPLE, SLI. TO MOD. SEV. WEATHERED, MOD. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	

Boring Terminated at Elevation 418.1 ft IN CR: METAVOLCANIC (FELSIC) TUFF