NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 34352.1.1	**TIP** R-0623	**COUNTY** MONTGOMERY	**GEOLOGIST** Hvozdik, J
SITE DESCRIPTION Dual Bridges on -L- over Little River			**GROUND WTR (ft)**
BORING NO. B2-B RL	**STATION** 340+36	**OFFSET** 42 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 371.0 ft	**TOTAL DEPTH** 26.1 ft	**NORTHING** 586,136	**EASTING** 1,746,146 — **24 HR.** N/A
DRILL RIG/HAMMER EFF./DATE AME9553 CME-550X 83% 05/04/2012		**DRILL METHOD** H.S. Augers	**HAMMER TYPE** Automatic
DRILLER Cutter, R	**START DATE** 07/25/13	**COMP. DATE** 07/25/13	**SURFACE WATER DEPTH** 3.1ft

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)
375											
										371.0 GROUND SURFACE	0.0
370	370.0	1.0								**RESIDUAL** BLUE-GREEN AND DARK GRAY, SILTY SAND (A-2-4), SAP.	
	367.5	3.5	5	10	12	22		W		368.0	3.0
			100/0.4			100/0.4				**WEATHERED ROCK** DARK GRAY AND BLUE-GREEN, METAVOLCANIC (FELSIC) TUFF	
365	365.0	6.0	60/0.1			60/0.1				365.5 / 364.9	5.5 / 6.1
										CRYSTALLINE ROCK METAVOLCANIC (FELSIC) TUFF	
360										**CRYSTALLINE ROCK** ORANGE-BROWN, LIGHT BROWN, AND PALE BLUE-GRAY, METAVOLCANIC (FELSIC) TUFF	
							RS-4				
355											
350											
345										344.9	26.1
										Boring Terminated at Elevation 344.9 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT BORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_LITTLE_RIVER.GPJ NC_DOT.GDT 10/23/13

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 Little River			**GROUND WTR (ft)**
BORING NO. B2-B RL	**STATION** 340+36	**OFFSET** 42 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 371.0 ft	**TOTAL DEPTH** 26.1 ft	**NORTHING** 586,136	**EASTING** 1,746,146 — **24 HR.** N/A
DRILL RIG/HAMMER EFF./DATE AME9553 CME-550X 83% 05/04/2012		**DRILL METHOD** H.S. Augers	**HAMMER TYPE** Automatic
DRILLER Cutter, R	**START DATE** 07/25/13	**COMP. DATE** 07/25/13	**SURFACE WATER DEPTH** 3.1ft
CORE SIZE NQ	**TOTAL RUN** 20.0 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)
364.9											Begin Coring @ 6.1 ft	
	364.9	6.1	5.0	0:16/1.0 1:11/1.0 3:08/1.0 3:12/1.0 3:25/1.0	(3.2) 64%	(1.4) 28%		(15.6) 78%	(6.7) 34%		364.9 **CRYSTALLINE ROCK** ORANGE-BROWN, LIGHT BROWN, AND PALE BLUE-GRAY, MOD. SEV. TO SEV. WEATHERED, MOD. HARD TO SOFT, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	6.1
360	359.9	11.1									R1=2, R2=8, R3=10, R4=12, R5=4, RMR=36 (CLASS IV - POOR ROCK, TYPE D)	
			5.0	2:56/1.0 2:44/1.0 3:10/1.0 2:43/1.0 3:26/1.0	(3.8) 76%	(2.1) 42%	RS-4					
355	354.9	16.1										
			5.0	3:31/1.0 2:29/1.0 2:56/1.0 2:56/1.0 3:35/1.0	(4.8) 96%	(0.9) 18%						
350	349.9	21.1										
			5.0	2:50/1.0 2:18/1.0 2:41/1.0 2:43/1.0 2:50/1.0	(3.8) 76%	(2.3) 46%						
345	344.9	26.1									344.9	26.1
											Boring Terminated at Elevation 344.9 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT CORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_LITTLE_RIVER.GPJ NC_DOT.GDT 10/23/13