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. B1-B RL	**STATION** 339+09	**OFFSET** 65 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 381.4 ft	**TOTAL DEPTH** 30.6 ft	**NORTHING** 586,175	**EASTING** 1,746,023 — **24 HR.** FIAD
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** 07/24/13	**COMP. DATE** 07/24/13	**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)
385											
										381.4 GROUND SURFACE	0.0
380	380.4	1.0								**ARTIFICIAL FILL** BROWN, SILTY CLAY (A-7) WITH TRACE ORGANICS	
			1	1	1	2		M			
	377.9	3.5								378.4	3.0
			1	2	2	4		W		**ALLUVIAL** GRAY, F. SANDY CLAY (A-6) WITH TRACE ORGANICS	
375	375.4	6.0								374.4	7.0
			6	7	93/0.4					373.5 **WEATHERED ROCK** LIGHT BROWN AND ORANGE-BROWN, METAVOLCANIC (FELSIC) TUFF	7.9
	372.9	8.5	60/0.0			100/0.9 60/0.0				372.8 **CRYSTALLINE ROCK** LIGHT BROWN, METAVOLCANIC (FELSIC) TUFF	8.6
370							RS-2			**CRYSTALLINE ROCK** LIGHT BROWN, ORANGE-BROWN, AND PALE BLUE-GRAY, METAVOLCANIC (FELSIC) TUFF	
365											
360											
355											
										350.8	30.6
										Boring Terminated at Elevation 350.8 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT BORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_LITTLE_RIVER.GPJ NC_DOT.GDT 10/24/13

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. B1-B RL	**STATION** 339+09	**OFFSET** 65 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 381.4 ft	**TOTAL DEPTH** 30.6 ft	**NORTHING** 586,175	**EASTING** 1,746,023 — **24 HR.** FIAD
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** 07/24/13	**COMP. DATE** 07/24/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 22.0 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)
372.8											Begin Coring @ 8.6 ft	
	372.8	8.6	2.0	4:40/1.0 4:53/1.0	(1.8) 90%	(0.6) 30%		(19.0) 86%	(10.2) 46%		372.8 **CRYSTALLINE ROCK** LIGHT BROWN, ORANGE-BROWN, AND PALE BLUE-GRAY, FRESH TO SEV. WEATHERED, SOFT TO V. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	8.6
370	370.8	10.6									R1=4, R2=8, R3=10, R4=12, R5=4, RMR=38 (CLASS IV - POOR ROCK, TYPE D)	
			5.0	3:39/1.0 4:03/1.0 4:28/1.0 4:39/1.0 5:13/1.0	(5.0) 100%	(1.8) 36%	RS-2					
365	365.8	15.6										
			4.5	5:01/1.0 4:57/1.0 6:14/1.0 14:13/1.0 13:09/0.5	(3.5) 78%	(0.8) 18%						
360	361.3	20.1										
			4.4	2:39/0.5 4:40/1.0 2:26/1.0 2:11/1.0 5:20/0.9	(2.6) 59%	(1.9) 43%						
	356.9	24.5										
355	355.8	25.6	1.1	5:41/1.1	(1.1) 100%	(0.7) 64%						
			5.0	4:34/1.0 5:56/1.0 6:09/1.0 6:07/1.0 7:43/1.0	(5.0) 100%	(4.4) 88%						
	350.8	30.6									350.8	30.6
											Boring Terminated at Elevation 350.8 ft IN CR: METAVOLCANIC (FELSIC) TUFF	

NCDOT CORE SINGLE R0623_GEO_BRDG_DUAL_BRIDGE_OVER_LITTLE_RIVER.GPJ NC_DOT.GDT 10/24/13