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-A LL	**STATION** 340+01	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 8.3
COLLAR ELEV. 382.5 ft	**TOTAL DEPTH** 41.2 ft	**NORTHING** 586,239	**EASTING** 1,746,160 / **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** 07/29/13	**COMP. DATE** 07/29/13	**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											
										382.5 GROUND SURFACE	0.0
	381.5	1.0								**ALLUVIAL**	
380			1	1	2	3		M		BROWN, SANDY CLAY (A-6) WITH TRACE ORGANICS (ROOTS)	
	379.0	3.5								379.5	3.0
			1	1	2	3		M		BROWN, SILTY CLAY (A-7) WITH TRACE ORGANICS (ROOTS)	
	376.5	6.0								377.0	5.5
			2	1	2	3				BROWN, SILTY SAND (A-2-4)	
375										374.5	8.0
	374.0	8.5						W		BROWN, SANDY GRAVEL (A-1-a)	
			1	2	2	4				371.5	11.0
370										**RESIDUAL**	
	369.0	13.5								BLUE-GRAY, SILTY SAND (A-2-4) WITH GRAVEL, SAP.	
			6	8	19	27		W		366.5	16.0
365										**WEATHERED ROCK**	
	364.0	18.5								LIGHT BROWN, ORANGE-BROWN, AND BLUE-GRAY, MOTTLED, METAVOLCANIC (FELSIC) TUFF	
			100/0.4			100/0.4					
360											
	359.0	23.5									
			100/0.5			100/0.5					
	356.3	26.2								356.3	26.2
			60/0.0			60/0.0				**CRYSTALLINE ROCK**	
355										LIGHT BROWN, ORANGE-BROWN, AND PALE BLUE-GRAY, METAVOLCANIC (FELSIC) TUFF	
							RS-3				
350											
345										341.3	41.2
										Boring Terminated at Elevation 341.3 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)**
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COLLAR ELEV. 382.5 ft	**TOTAL DEPTH** 41.2 ft	**NORTHING** 586,239	**EASTING** 1,746,160 / **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** 07/29/13	**COMP. DATE** 07/29/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 15.0 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)
356.3											Begin Coring @ 26.2 ft	
355	356.3	26.2	5.0	2:51/1.0 3:38/1.0 5:13/1.0 4:19/1.0 5:49/1.0	(4.5) 90%	(3.9) 78%	RS-3	(13.4) 89%	(8.3) 55%		356.3 **CRYSTALLINE ROCK** LIGHT BROWN, ORANGE-BROWN, AND PALE BLUE-GRAY, SLI. TO MOD. SEV. WEATHERED, HARD TO MED. HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	26.2
	351.3	31.2									R1=4, R2=13, R3=10, R4=12, R5=4, RMR=43 (CLASS III - FAIR ROCK, TYPE D)	
350			5.0	2:58/1.0 3:07/1.0 3:01/1.0 2:55/1.0 3:40/1.0	(4.6) 92%	(2.5) 50%						
	346.3	36.2										
345			5.0	3:15/1.0 3:48/1.0 4:16/1.0 10:23/1.0 3:43/1.0	(4.3) 86%	(1.9) 38%						
	341.3	41.2									341.3 Boring Terminated at Elevation 341.3 ft IN CR: METAVOLCANIC (FELSIC) TUFF	41.2

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