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 LL	**STATION** 338+94	**OFFSET** 19 ft LT	**ALIGNMENT** -L- / **0 HR.** 2.7
COLLAR ELEV. 374.6 ft	**TOTAL DEPTH** 23.8 ft	**NORTHING** 586,260	**EASTING** 1,746,043 / **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** 07/23/13	**COMP. DATE** 07/23/13	**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)
375										374.6 GROUND SURFACE	0.0
	373.6	1.0	WOH	WOH	WOH					**ARTIFICIAL FILL** BROWN, SANDY CLAY (A-6)	
										372.1	2.5
	371.1	3.5	3	40	60/0.2			W		**ALLUVIAL** LIGHT GRAY, SANDY GRAVEL (A-1-a)	
370										369.9	4.7
	368.6	6.0	60/0.1			100/0.7 60/0.1				**CRYSTALLINE ROCK** BROWN AN BLUE-GREEN, METAVOLCANIC (FELSIC) TUFF	
	366.8	7.8	60/0.0			60/0.0				366.8	7.8
365										**CRYSTALLINE ROCK** GREEN-BLUE, METAVOLCANIC (FELSIC) TUFF	
360							RS-1				
355										350.8	23.8
										Boring Terminated at Elevation 350.8 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 Little River			**GROUND WTR (ft)**
BORING NO. B1-B LL	**STATION** 338+94	**OFFSET** 19 ft LT	**ALIGNMENT** -L- / **0 HR.** 2.7
COLLAR ELEV. 374.6 ft	**TOTAL DEPTH** 23.8 ft	**NORTHING** 586,260	**EASTING** 1,746,043 / **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** 07/23/13	**COMP. DATE** 07/23/13	**SURFACE WATER DEPTH** N/A
CORE SIZE NQ	**TOTAL RUN** 16.0 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)
366.8											Begin Coring @ 7.8 ft	
365	366.8	7.8	3.0	1:29/1.0 2:55/1.0 3:00/1.0	(2.8) 93%	(1.8) 60%		(13.7) 86%	(9.7) 61%		366.8 **CRYSTALLINE ROCK** GREEN-BLUE, FRESH TO MOD. SEV. WEATHERED, SOFT TO V. HARD, MOD. CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF R1=4, R2=13, R3=10, R4=12, R5=4, RMR=43 (CLASS III - FAIR ROCK, TYPE D)	7.8
	363.8	10.8	5.0	2:44/1.0 1:12/1.0 2:50/1.0 3:26/1.0 4:00/1.0	(2.9) 58%	(1.8) 36%						
360	358.8	15.8					RS-1					
355			5.0	3:01/1.0 3:06/1.0 3:32/1.0 3:43/1.0 4:05/1.0	(5.0) 100%	(4.4) 88%						
	353.8	20.8	3.0	3:39/1.0 3:59/1.0 4:07/1.0	(3.0) 100%	(1.7) 57%					350.8	23.8
	350.8	23.8									Boring Terminated at Elevation 350.8 ft IN CR: METAVOLCANIC (FELSIC) TUFF	