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-A LL	**STATION** 338+81	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 1.4
COLLAR ELEV. 374.0 ft	**TOTAL DEPTH** 31.3 ft	**NORTHING** 586,295	**EASTING** 1,746,054 / **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										374.0 GROUND SURFACE	0.0
	373.0	1.0	WOH	WOH	3	3		W		**ALLUVIAL** BROWN AND GREEN-BLUE, SANDY CLAY (A-6) WITH SOME GRAVEL AND TRACE ORGANICS	3.0
370	370.5	3.5	11	17	83/0.5	100/1.0		W		**RESIDUAL** LIGHT GRAY AND BLUE-GRAY, CLAYEY SILTY SAND (A-2-4), SAP.	4.0
	368.0	6.0	60/0.1			60/0.1		W		**WEATHERED ROCK** LIGHT GRAY AND BLUE-GRAY, METAVOLCANIC (FELSIC) TUFF	6.0
365	366.2	7.8	60/0.0			60/0.0				**CRYSTALLINE ROCK** DARK BROWN AND BLUE-GREEN, METAVOLCANIC (FELSIC) TUFF	7.8
360										**CRYSTALLINE ROCK** LIGHT GRAY TO DARK GREEN-BLUE, METAVOLCANIC (FELSIC) TUFF	
355											
350											
345										342.7	31.3

Boring Terminated at Elevation 342.7 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-A LL	**STATION** 338+81	**OFFSET** 55 ft LT	**ALIGNMENT** -L- / **0 HR.** 1.4
COLLAR ELEV. 374.0 ft	**TOTAL DEPTH** 31.3 ft	**NORTHING** 586,295	**EASTING** 1,746,054 / **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** 23.5 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)
366.2											Begin Coring @ 7.8 ft	
365	366.2	7.8	3.0	2:15/1.0 8:52/1.0 13:05/1.0	(1.3) 43%	(0.0) 0%		(12.9) 55%	(4.5) 19%		366.2 **CRYSTALLINE ROCK** LIGHT GRAY TO DARK GREEN-BLUE, SLI. TO SEV. WEATHERED, SOFT TO HARD, CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	7.8
	363.2	10.8	3.0	4:30/1.0 5:01/1.0 30:11/1.0	(2.0) 67%	(1.6) 53%						
360	360.2	13.8	2.0	5:18/1.0 6:43/1.0	(1.9) 95%	(1.1) 55%						
	358.2	15.8	5.0	7:43/1.0 9:49/1.0 6:12/1.0 7:45/1.0 18:47/1.0	(1.1) 22%	(0.4) 8%						
355	353.2	20.8										
	351.7	22.3	1.5	6:15/1.5	(0.8) 53%	(0.0) 0%						
350	347.7	26.3	4.0	3:09/1.0 4:25/1.0 4:10/1.0 5:05/1.0	(2.8) 70%	(0.0) 0%						
345	342.7	31.3	5.0	2:52/1.0 3:14/1.0 2:34/1.0 3:12/1.0 3:18/1.0	(3.0) 60%	(1.4) 28%					342.7	31.3

Boring Terminated at Elevation 342.7 ft IN CR: METAVOLCANIC (FELSIC) TUFF

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