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 LL	**STATION** 340+14	**OFFSET** 21 ft LT	**ALIGNMENT** -L- / **0 HR.** 7.9
COLLAR ELEV. 382.1 ft	**TOTAL DEPTH** 50.5 ft	**NORTHING** 586,203	**EASTING** 1,746,155 / **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)
										382.1 GROUND SURFACE	0.0
	381.1	1.0	3	3	3	6		M		**ALLUVIAL** BROWN, CLAYEY SAND (A-2-6)	
	378.6	3.5	4	3	3	6		M		379.1 BROWN, SILTY SAND (A-2-4)	3.0
	376.1	6.0	1	2	1	3				374.6 BROWN, SANDY GRAVEL (A-1-a) WITH QUARTZ FRAGMENTS	7.5
	373.6	8.5	WOH	4	6	10		W		371.1 **RESIDUAL** ORANGE-BROWN AND PALE BLUE-GRAY, SILTY SAND (A-2-4), SAP.	11.0
	368.6	13.5	15	27	44	71		M		366.1 **CRYSTALLINE ROCK** ORANGE-BROWN, METAVOLCANIC (FELSIC) TUFF	16.0
	363.6	18.5	60/0.1			60/0.1					
	358.6	23.5	60/0.1			60/0.1					
	353.6	28.5	60/0.0			60/0.0				353.6 **CRYSTALLINE ROCK** LIGHT BROWN, ORANGE-BROWN, AND PALE BLUE-GRAY, METAVOLCANIC (FELSIC) TUFF	28.5
										331.6 Boring Terminated at Elevation 331.6 ft IN CR: METAVOLCANIC (FELSIC) TUFF	50.5

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 LL	**STATION** 340+14	**OFFSET** 21 ft LT	**ALIGNMENT** -L- / **0 HR.** 7.9
COLLAR ELEV. 382.1 ft	**TOTAL DEPTH** 50.5 ft	**NORTHING** 586,203	**EASTING** 1,746,155 / **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** 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)
353.6											Begin Coring @ 28.5 ft	
	353.6	28.5	2.0	2:05/1.0 3:09/1.0	(1.6) 80%	(0.0) 0%		(17.6) 80%	(10.1) 46%		353.6 **CRYSTALLINE ROCK** LIGHT BROWN, ORANGE-BROWN, AND PALE BLUE-GRAY, FRESH TO SEV. WEATHERED, HARD TO SOFT, MOD. CLOSELY TO V. CLOSELY FRACTURED, METAVOLCANIC (FELSIC) TUFF	28.5
350	351.6	30.5	5.0	2:57/1.0 2:51/1.0 3:26/1.0 3:35/1.0 3:53/1.0	(3.8) 76%	(2.6) 52%						
	346.6	35.5	5.0	3:21/1.0 2:46/1.0 3:11/1.0 3:50/1.0 4:12/1.0	(3.5) 70%	(1.9) 38%						
345	341.6	40.5	5.0	2:52/1.0 3:37/1.0 3:24/1.0 4:02/1.0 3:51/1.0	(4.1) 82%	(3.2) 64%						
340	336.6	45.5	5.0	3:11/1.0 4:11/1.0 5:30/1.0 4:31/1.0 6:34/1.0	(4.6) 92%	(2.4) 48%						
335	331.6	50.5									331.6 Boring Terminated at Elevation 331.6 ft IN CR: METAVOLCANIC (FELSIC) TUFF	50.5

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