N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 21 OF 28

PROJECT NO. 8.2495201	**ID.** B-3646	**COUNTY** Guilford	**GEOLOGIST** G. Licayan
SITE DESCRIPTION Bridge 185 Over the Haw River on SR 2712			**GROUND WATER (ft)**
BORING NO. EB2-A	**BORING LOCATION** 17+16	**OFFSET** 16ft LT	**ALIGNMENT** -L-	**0 HR.** 11.0
COLLAR ELEV. 622.2 ft	**NORTHING** 900226.65	**EASTING** 1839218.47		**24 HR.** 11.0
TOTAL DEPTH 38.8 ft	**DRILL MACHINE** CME 45	**DRILL METHOD** 0.5' HSA	**HAMMER TYPE** 140 lb. Manual	
DATE STARTED 7/3/03	**COMPLETED** 7/3/03	**SURFACE WATER DEPTH** NA		

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
622.2									
621.2	1.0								622.2 — 0.00
618.7	3.5	4	2	8	10		M		ROADWAY EMBANKMENT FILL: Stiff to Medium Stiff, Brown and Red, Coarse to Fine Sandy, Silty CLAY with Some Gravel and a Trace of Topsoil
616.2	6.0	2	3	3	6		W		
613.7	8.5	2	2	4	6	SS-10	41.9%		
608.7	13.5	2	2	4	6		W		609.2 — 13.0
603.7	18.5	1	2	3	5	SS-11	W		ALLUVIAL: Loose, Brown and Grey, Silty, Coarse to Fine SAND with a Trace of Clay
598.7	23.5	8	10	20	30		W		604.2 — 18.0
593.7	28.5	16	32	65	97	SS-12	33.7%		RESIDUAL: Very Stiff to Hard; Black, Red, and Brown; Clayey; Fine to Coarse Sandy SILT with a Little Mica
588.7	33.5	45	55/0.3		100/0.8				597.2 — 25.0
583.7	38.5	35	65/0.4		100/0.9				WEATHERED ROCK: Black, Orange, and Brown Metavolcanic Rock
		100/0.3			100/0.3				583.4 — 38.8
									Boring Terminated at Elevation 583.4 feet in Weathered Rock: Metavolcanic Rock

NCDOT BORE ...GLE 07103014.GPJ NC_DOT.GDT 8/5/03

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 21 OF 28

PROJECT NO. 8.2495201	**ID.** B-3646	**COUNTY** Guilford	**GEOLOGIST** G. Licayan
SITE DESCRIPTION Bridge 185 Over the Haw River on SR 2712			**GROUND WATER (ft)**
BORING NO. EB2-B	**BORING LOCATION** 17+04	**OFFSET** 10ft RT	**ALIGNMENT** -L-	**0 HR.** 11.2
COLLAR ELEV. 622.5 ft	**NORTHING** 900210.20	**EASTING** 1839193.97		**24 HR.** 11.4
TOTAL DEPTH 39.4 ft	**DRILL MACHINE** CME 55	**DRILL METHOD** 0.5' HSA	**HAMMER TYPE** 140 lb. Manual	
DATE STARTED 7/16/03	**COMPLETED** 7/16/03	**SURFACE WATER DEPTH** NA		

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
622.5									
621.5	1.0								622.5 — 0.00
619.0	3.5	2	2	2	4		W		ROADWAY EMBANKMENT FILL: Soft and Medium Stiff, Brown and Red, Coarse to Fine Sandy, Silty CLAY with Gravel and a Little Topsoil
616.5	6.0	2	2	2	4	SS-13	47.1%		
614.0	8.5	2	1	2	3		W		
609.0	13.5	2	2	2	4		W		609.0 — 13.5
604.0	18.5	2	1	3	4		W		ALLUVIAL: Loose, Grey, Silty, Coarse to Fine SAND with Trace of Decayed Plant Material
599.0	23.5	9	6	94/0.4	100/0.9				603.0 — 19.5
594.0	28.5	18	18	54	72		D		601.5 — 21.0 WEATHERED ROCK: White and Grey Metavolcanic Rock; RESIDUAL: Hard, Brown and Tan, Coarse to Fine Sandy SILT
589.0	33.5	58	42/0.3		100/0.8				595.5 — 27.0
584.0	38.5	100/0.4			100/0.4				WEATHERED ROCK: Grey and Tan Metavolcanic Rock
		75	25/0.4		100/0.9				583.1 — 39.4
									Boring Terminated at Elevation 583.1 feet in Weathered Rock: Metavolcanic Rock

NCDOT BORE SINGLE 07103014.GPJ NC_DOT.GDT 8/5/03