 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG Rutland Bridge Replacement 23828.1000.32000		Boring No.: B-102A Page No.: 1 of 2 Ptn No.: BRF 3000(16) Checked By: J. MacGregor	
Boring Crew: <u>M. Blakely, D. Schelwood</u> Date Started: <u>2/17/12</u> Date Finished: <u>2/21/12</u> VTSPG NAD83: <u>N 401635.66 ft E 1509627.60 ft</u> Station: <u>100+32.00</u> Offset: <u>33.7 R</u> Ground Elevation: <u>530.1 ft</u>		Casing Type: <u>WB</u> <u>SS</u> I.D.: <u>3 in</u> <u>1.5 in</u> Hammer Wt: <u>140 lb.</u> <u>140 lb.</u> Hammer Fall: <u>30 in.</u> <u>30 in.</u> Hammer/Rod Type: <u>Manual/NW</u> Rig: <u>CME 550 ATV</u> <u>C_s = 1</u>		Groundwater Observations Date: <u>12/17/12</u> Depth: <u>10.1</u> Notes: <u>Estimated</u>	


Depth (ft)	Strata (ft)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (R20 %)	Blow#* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
15.0	0.6 ft	(GM), f.c. GRAVEL, Some Silt, Some f.m.c. Sand, compact, brown, wet, Rec. = 0.6 ft		22-22-19-26 (41)					
20.0	0.5 ft	(GM), becomes very compact, Rec. = 0.5 ft		25-63-50 (3)					
21.0		(GM), Cobble/Boulders	R-1	100 (0)					
22.0		Insufficient Recovery, Rec. = 0.1 ft		100 (5)					
30.0	0.4 ft	No Recovery, Rec. = 0.0 ft (GM), f.c. GRAVEL, Some Silt, Some f.m.c. Sand, very compact, brown, wet, Rec. = 0.4 ft		200 (2) 100 (6)					
37.0	0.7 ft	(ML), SILT, Some f. Sand, very compact, brown, wet, Rec. = 0.7 ft		36-56-50 (4)					
40.0	1.1 ft	(ML), SILT, Some f. Sand, trace f. gravel, very compact, brown, wet, Rec. = 1.1 ft		50-70-50 (4)		2.0	28.2	69.8	
45.0	0.8 ft	(ML-TILL) SILT, Some f. Sand, little f. gravel, very compact, gray, wet, Rec. = 0.8 ft		72-50 (3)		18.8	19.0	62.2	

BOTTOM OF FOOTING
 ABUT. 1 ELEV. 504.00

2010 COPY 2/28/12 LOSB.GPJ VERMONT FOOT LOG DT. 3/16/12

1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. C_s is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

EST. PILE TIP ELEV. 430.00

 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG Rutland Bridge Replacement 23828.1000.32000		Boring No.: B-102A Page No.: 2 of 2 Ptn No.: BRF 3000(16) Checked By: J. MacGregor	
Boring Crew: <u>M. Blakely, D. Schelwood</u> Date Started: <u>2/17/12</u> Date Finished: <u>2/21/12</u> VTSPG NAD83: <u>N 401635.66 ft E 1509627.60 ft</u> Station: <u>100+32.00</u> Offset: <u>33.7 R</u> Ground Elevation: <u>530.1 ft</u>		Casing Type: <u>WB</u> <u>SS</u> I.D.: <u>3 in</u> <u>1.5 in</u> Hammer Wt: <u>140 lb.</u> <u>140 lb.</u> Hammer Fall: <u>30 in.</u> <u>30 in.</u> Hammer/Rod Type: <u>Manual/NW</u> Rig: <u>CME 550 ATV</u> <u>C_s = 1</u>		Groundwater Observations Date: <u>12/17/12</u> Depth: <u>10.1</u> Notes: <u>Estimated</u>	

Depth (ft)	Strata (ft)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (R20 %)	Blow#* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
50.0		(ML-TILL), Similar Soil, Rec. = 0.5 ft							
50.5		Hole stopped @ 49.5 ft							
51.0		(R)							
51.5		200 (6)							

2010 COPY 2/28/12 LOSB.GPJ VERMONT FOOT LOG DT. 3/16/12

1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. C_s is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

PROJECT NAME:	RUTLAND CITY
PROJECT NUMBER:	BRF 3000 (16)
FILE NAME:	s94j092bor.dgn
PROJECT LEADER:	C.CARLSON
DESIGNED BY:	EVANS-MONGEON
BORING LOG SHEET 3	
PLOT DATE:	03-JUL-2014
DRAWN BY:	M.LONGSTREET
CHECKED BY:	EVANS-MONGEON
SHEET	155 OF 245