STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Culvert Nos. 83-1 S&N
Georgia, Vermont
Georgia IM CULV (25)

Boring No.: B-2
Page No.: 1 of 3
Pin No.: 11a218
Checked By: ASP

Boring Crew: Drilex/Terracon (RJF)
Date Started: 1/23/14 Date Finished: 1/23/14
VTSPG NAD83: N 798730.52 ft E 1477510.83 ft
Station: 2981+37.00 Offset: 15.00LT
Ground Elevation: 370.0 ft

	Casing	Sampler
Type:	H.S.A.	SS
I.D.:	4.25 in	2 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:		Auto
Rig:	CME 550 ATV	CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
01/23/14	39.5	AB

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		4-inches Bituminous concrete pavement					
		A-1-a, GrSaSi, brown, auger sample (FILL) Rec. = 0.0 ft	50/3"	1.0	54.7	34.9	10.4
5.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	4-12-18-20 (30)	5.9	1.4	74.7	23.9
10.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	6-13-17-22 (30)	5.8	0.4	78.8	20.8
15.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	6-14-17-24 (31)	8.0	3.1	72.2	24.7
20.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	10-17-20-25 (37)	8.7	0.8	67.2	32.2

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
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.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

2016 COPY J:\1SSV\72.GPJ VERMONT.GDT.GDT 3/21/14

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Culvert Nos. 83-1 S&N
Georgia, Vermont
Georgia IM CULV (25)

Boring No.: B-2
Page No.: 2 of 3
Pin No.: 11a218
Checked By: ASP

Boring Crew: Drilex/Terracon (RJF)
Date Started: 1/23/14 Date Finished: 1/23/14
VTSPG NAD83: N 798730.52 ft E 1477510.83 ft
Station: 2981+37.00 Offset: 15.00LT
Ground Elevation: 370.0 ft

	Casing	Sampler
Type:	H.S.A.	SS
I.D.:	4.25 in	2 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:		Auto
Rig:	CME 550 ATV	CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
01/23/14	39.5	AB

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
25.0		A-2-4, SaGrSi, brown, Rec. = 2.0 ft, (FILL)	10-18-26-15 (34)	13.8	27.0	57.7	15.3
		A-1-A, GrSaSi, brown, Rec. = 2.0 ft, (FILL)		2.5	73.6	19.8	6.6
30.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	6-16-17-23 (33)	7.7	2.7	78.6	20.7
35.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	5-4-3-4 (7)	11.6	4.6	84.6	10.8
37.5		A-3, SaSi, brown, Rec. = 2.0 ft, (FILL)	6-8-8-8 (12)	20.1	0.6	89.5	9.9
40.0		A-2-4, SaSi, brown, Rec. = 2.0 ft, (FILL)	3-4-7-5 (11)	21.9	0.7	86.5	12.8
42.5		A-2-4, SaSi, gray-brown, Rec. = 2.0 ft, (FILL)	6-10-13-18 (23)	17.0	0.8	83.4	15.8

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
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.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

2016 COPY J:\1SSV\72.GPJ VERMONT.GDT.GDT 3/21/14

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Culvert Nos. 83-1 S&N
Georgia, Vermont
Georgia IM CULV (25)

Boring No.: B-2
Page No.: 3 of 3
Pin No.: 11a218
Checked By: ASP

Boring Crew: Drilex/Terracon (RJF)
Date Started: 1/23/14 Date Finished: 1/23/14
VTSPG NAD83: N 798730.52 ft E 1477510.83 ft
Station: 2981+37.00 Offset: 15.00LT
Ground Elevation: 370.0 ft

	Casing	Sampler
Type:	H.S.A.	SS
I.D.:	4.25 in	2 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:		Auto
Rig:	CME 550 ATV	CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
01/23/14	39.5	AB

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, SaSi, gray-brown, Rec. = 2.0 ft, with wood pieces at 45 feet (FILL)	4-4-5-5 (10)	30.5	1.0	81.2	17.8
47.5		A-2-4, SaSi, gray, Rec. = 2.0 ft, stratified sand and clay layers	8-8-7-8 (15)	22.3	1.5	78.7	21.8
		A-4, SlSaGr, gray, Rec. = 2.0 ft, stratified sand and clay layers	3-4-4-4 (8)	29.0	6.4	46.6	47.0
50.0		A-4, SaSi, gray, Rec. = 2.0 ft	2-3-4-3 (7)	27.5	0.3	54.3	45.4
52.5		Blow-in, no sample recovery, advance to 54 feet					
55.0		A-2-4, SaSlGr, gray, Rec. = 2.0 ft	2-2-2-2 (4)	24.4	21.6	54.4	24.0
		A-4, Si, Rec. = 2.0 ft	1-3-5-8 (11)	24.4	1.2	3.1	95.7
57.5		A-7-6, ClGr, gray, Rec. = 2.0 ft	3-4-4-4 (8)	38.0	16.7	3.4	79.9
60.0		Hole stopped @ 60.0 ft					

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
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.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

2016 COPY J:\1SSV\72.GPJ VERMONT.GDT.GDT 3/21/14