



**BORING LOG**

Addison  
BF 0172(9)  
VT-125 Br. #1

Boring No.: B-101  
Page No.: 1 of 2  
Pin No.: 15b092  
Checked By: MLM



**BORING LOG**

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BF 0172(9)  
VT-125 Br. #1

Boring No.: B-101  
Page No.: 2 of 2  
Pin No.: 15b092  
Checked By: MLM

Boring Crew: Garrow, Judkins, Emerson  
Date Started: 3/30/17 Date Finished: 4/03/17  
VTSPG NAD83: N 557938.27 ft E 1403945.47 ft  
Station: 65+18 Offset: 9.40  
Ground Elevation: 102.05 ft

Type: WB SS  
I.D.: 4 in 1.5 in  
Casing Sampler  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
03/30/17	8.0	W.T. after drilling
04/03/17	5.7	W.T. before drilling

Boring Crew: Garrow, Judkins, Emerson  
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Groundwater Observations		
Date	Depth (ft)	Notes
03/30/17	8.0	W.T. after drilling
04/03/17	5.7	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt pavement, 0.0 ft - 1.7 ft							
		A-1-a, Gr, blk, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample	7-6-4-8 (10)	1.3	88.8	8.4	2.8		
		Field Note:; NXDC, cleaned out casing, cobbles							
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft	2-3-3-4 (6)	9.2	58.1	34.0	7.9		
		A-4, ClSi, gry, Moist, Rec. = 1.4 ft	1-1-2-2 (3)	25.8	2.8	17.1	80.1	25	9
		Field Note:; NXDC, cleaned out casing							
		Field Note:; No Recovery							
		Field Note:; NXDC, cleaned out casing							
		Field Note:; Pushed 3" x 30" Shelby Tube, Rec. = 2.0 ft							
		Field Note:; Pushed 3" x 30" Shelby Tube, Rec. = 1.6 ft							
		A-6, SiCl, gry-brn, Moist, Rec. = 1.5 ft, Lab Note: Sample contained trace (4.3%) organic material (AASHTO T-267)	(WH)	56.2	31.7	11.9	56.4	39	18
		A-4, GrSaSi, gry-brn, Moist, Rec. = 1.5 ft, Lab Note: Sample contained little (15.9%) organic material (AASHTO T-267). Plant material / sticks, broken concrete pieces, and a small amount of clay were within sample. Sample tested non-plastic	2-3-4-1 (7)	114.9	24.9	34.5	40.6		
		A-8, SiGrSa, gry-brn, MTW, Rec. = 1.6 ft, Lab Note: Decomposing wood and wood fibers were within sample. Sample contained 20.6% organic material, AASHTO T-267 dictates soil type A-8	WH-1-1 (1)	161.4	27.6	48.7	23.7		
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.6 ft, Lab Note: Sample contained little (13.1%) organic material (AASHTO T-267)	(WH)	117.4	24.1	41.4	34.5		
		A-4, SaSi, gry-brn, Moist, Rec. = 2.0 ft, Lab Note: Wood, wood fibers, and a small amount of clay were within sample. Sample tested non-plastic	WH-1 (WH)	25.6	0.1	20.3	79.6		
		A-6, SaSiCl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar to 35-37 ft. sample	3-4-4-4 (8)	24.8	0.1	21.5	78.4		

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-6, SiCl, gry, Moist, Rec. = 2.0 ft	1-1-2-2 (3)	32.2	0.1	4.3	95.6	33	14
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar to 50-52 ft. sample	(WH)	68.8	0.1	0.6	99.3		
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar to 50-52 ft. sample	(WH)	66.7	0.1	0.5	99.4		
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	(WH)	58.5	0.1	0.6	99.3	51	26
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	WR-WH (WR)	46.6		0.5	99.5	43	20
		A-6, SiCl, gry, Moist, Rec. = 2.0 ft	(WR)	47.0		0.4	99.6	40	17
		Hole stopped @ 62.0 ft							
		Remarks: Hole collapsed at 2.3 feet.							

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. <<SUB>><<SUB>> is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

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BORING LOG 2 ADDISON BF0172(9) VERMONT AOT.GDT 5/8/17

BORING LOG 2 ADDISON BF0172(9) VERMONT AOT.GDT 5/8/17



STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
CONSTRUCTION AND  
MATERIALS BUREAU  
CENTRAL LABORATORY

BORING LOG

Addison  
BF 0172(9)  
VT-125 Br. #1

Boring No.: **B-102**  
Page No.: 1 of 1  
Pin No.: 15b092  
Checked By: MLM

Boring Crew: Emerson, Judkins, Olden  
Date Started: 4/10/17 Date Finished: 4/10/17  
VTSPG NAD83: N 557957.44 ft E 1403962.82 ft  
Station: 65+00 Offset: -8.80  
Ground Elevation: 102.09 ft

Type: WB Sampler: SS  
I.D.: 4 in 1.5 in  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
04/10/17	5.4	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 1.37		Asphalt pavement, 0.0 ft - 1.37 ft							
1.37 - 2.0		A-1-b, GrSa, brn, Dry, Rec. = 0.6 ft Field Note: NXDC, cleanout, cobbles	8-11-12-10 (23)	6.6	27.3	55.0	17.7		
2.0 - 2.7		A-4, SaGrSi, brn, Moist, Rec. = 0.7 ft Field Note: NXDC, cleanout, cobbles Field Note: No recovery, NXDC, cleanout, cobbles	3-1-3-7 (4) 1-2-1-2 (3)	20.3	25.2	21.2	53.6		
2.7 - 3.4		A-4, GrSi, gry, Wet, Rec. = 0.4 ft, Lab Note: Sample tested non-plastic Field Note: NXDC, cleanout, cobbles Field Note: No recovery	WH-1-3 (1) 2-3-5-3 (8)	25.3	28.0	20.0	52.0		
3.4 - 4.1		Field Note: NXDC, cleanout, cobbles							
4.1 - 4.8		A-2-4, SiGr, gry, Wet, Rec. = 0.3 ft, Lab Note: Broken rock was within sample. Sample tested non-plastic	9-6-2-4 (8)	34.9	54.7	16.6	28.7		
4.8 - 5.5		Field Note: NXDC, cleanout, cobbles							
5.5 - 6.2		A-1-a, SaGr, Dk/brn, Wet, Rec. = 0.7 ft, Lab Note: A lot of decomposing wood and wood fibers were within sample. Insufficient sample size for organics testing	6-1-3-3 (4)	207.0	51.9	41.0	7.1		
6.2 - 6.9		Field Note: NXDC, cleanout							
6.9 - 7.6		A-8, GrSa, Dk/brn, Moist, Rec. = 1.8 ft	1-1-1-1 (2)	132.3	34.3	53.0	12.7		
7.6 - 8.3		A-6, SiCl, gry, Moist, Rec. = 1.9 ft, Lab Note: A small amount of decomposing wood and wood fibers were within sample	WH (WH)	47.5	0.5	21.7	77.8	36	13
8.3 - 9.0		A-4, CISi, gry, Wet, Rec. = 2.0 ft	1-1-2-2 (3)	38.8	0.3	19.8	79.9	27	10
9.0 - 9.7									
9.7 - 10.4		A-6, SiCl, gry, Moist, Rec. = 2.0 ft	WH-2-2 (2)	30.0		2.1	97.9	33	14
10.4 - 42.0		Hole stopped @ 42.0 ft							
17.1		Remarks: Hole collapsed at 17.1 feet.							

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BORING LOG - Z ADDISON BF-0172(9).GPJ VERMONT AOT.GDT 5/8/17



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CONSTRUCTION AND  
MATERIALS BUREAU  
CENTRAL LABORATORY

BORING LOG

Addison  
BF 0172(9)  
VT-125 Br. #1

Boring No.: B-103  
Page No.: 1 of 1  
Pin No.: 15b092  
Checked By: MLM

Boring Crew: Garrow, Judkins, Olden  
Date Started: 4/03/17 Date Finished: 4/03/17  
VTSPG NAD83: N 557906.73 ft E 1403948.41 ft  
Station: 65+50 Offset: 7.90  
Ground Elevation: 102.76 ft

Type: WB SS  
I.D.: 4 in 1.5 in  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID CE = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
04/03/17	5.6	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt Pavement, 0.0 ft - 0.85 ft							
5		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample	6-7-6-8 (13)	7.5	58.9	33.2	7.9		
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample	9-8-3-4 (11)	6.3	49.1	37.4	13.5		
		A-4, SaSi, brn, Moist, Rec. = 0.3 ft, Lab Note: Some clay was within sample. Insufficient sample size to test Atterberg limits	3-1-2-2 (3)	30.1	2.5	10.1	87.4	36	15
		A-6, SiCl, brn, Moist, Rec. = 1.1 ft	4-1-2-3 (3)	32.2	3.9	12.5	83.6		
10		A-6, SiCl, brn, Moist, Rec. = 1.3 ft, Lab Note: Similar Atterberg limits to 5-7' sample	4-1-2-3 (3)						
		Field Note:, NXDC, cleanout, cobbles Field Note:, No recovery	5-8-4-4 (12)						
15		Field Note:, NXDC, cleanout, cobbles							
		A-8, GrSa, Dk/brn, Moist, Rec. = 1.6 ft, Lab Note: Decomposing wood and wood fibers were within sample. Sample contained 24.0% organic materials (AASHTO T-267)	WH-1-WH-1 (1)	164.5	26.3	55.8	17.9		
20		Field Note:, Rollercone, cleanout							
		A-4, SaSi, Dk/brn, Moist, Rec. = 0.8 ft, Lab Note: Some clay was within sample. Sample tested non-plastic. Sample contained little (12.9%) organic material (AASHTO T-267)	1-2-1-1 (3)	83.1	12.4	34.6	53.0		
25		A-7-5, SiCl, gry, Moist, Rec. = 2.0 ft	2-2-1-2 (3)	41.8	1.8	0.5	97.7	49	14
30		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar Atterberg limits to 35-37' sample	WH (WH)	51.0		0.4	99.6		
35		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	WH (WH)	48.2		0.4	99.6	46	23
40		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar Atterberg limits to 35-37' sample	WR-WH (WH)	70.8		0.4	99.6		
Hole stopped @ 42.0 ft									
45		Remarks: Hole collapsed at 26.1 feet.							

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BORING LOG

Addison  
 BF 0172(9)  
 VT-125 Br. #1

Boring No.: B-104  
 Page No.: 1 of 1  
 Pin No.: 15b092  
 Checked By: MLM

Boring Crew: Emerson, Judkins, Olden  
 Date Started: 4/05/17 Date Finished: 4/10/17  
 VTSPG NAD83: N 557923.62 ft E 1403963.26 ft  
 Station: 65+34 Offset: -7.70  
 Ground Elevation: 102.58 ft

Casing: WB Sampler: SS  
 Type: WB I.D.: 4 in 1.5 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: CME 45C SKID CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
04/05/17	6.1	W.T. after drilling
04/10/17	4.0	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt pavement, 0.0 ft - 1.74 ft							
		Field Note:, No recovery	5-6-3-1 (9)						
5		A-4, Si, brn, Moist, Rec. = 0.3 ft	2-1-1-2 (2)	16.3	18.6	4.7	76.7		
		Field Note:, Cleanout with roller cone							
		Field Note:, No recovery	2-WH-1 (WH)						
		Field Note:, Cleanout with roller cone							
10		A-6, SiCl, gry, Moist, Rec. = 1.3 ft	1-WH-2-3 (2)	23.2	6.6	7.5	85.9	34	15
		A-6, SiCl, gry, Moist, Rec. = 1.6 ft	WH-2-2-3 (4)	26.2	0.3	7.0	92.7	35	17
		Field Note:, Cleanout with roller cone							
		Field Note:, Pushed 3" x 30" Shelby Tube, Rec. = 1.5 ft							
15		Field Note:, Attempted to push Shelby Tube - No penetration at 350 psi							
		Field Note:, Attempted to push Shelby Tube - No penetration at 350 psi							
20		Field Note:, NXDC, cleaned out casing							
		A-2-4, SiSa, Dk/brn, Moist, Rec. = 1.4 ft, Lab Note: A lot of decomposing wood and wood fibers were within sample	WH-1-1-1 (2)	120.4	18.1	51.2	30.7		
25		A-4, Si, gry, Moist, Rec. = 1.8 ft, Lab Note: Sample tested non-plastic. Sample contained little (18.6%) organic materials (AASHTO T-267)	WH-1-WH (1)	27.3	0.1	8.2	91.7		
30		A-6, SiCl, gry, Moist, Rec. = 1.7 ft	1-1-1-3 (2)	25.3		7.4	92.6	28	11
35		A-7-5, Cl, gry, Wet, Rec. = 2.0 ft, Lab Note: Similar to 40-42 ft. sample	WH (WH)	45.5		1.1	98.9		
40		A-7-5, Cl, gry, Wet, Rec. = 2.0 ft	WH (WH)	66.7	0.1	0.5	99.4	64	32
		Hole stopped @ 42.0 ft							
45		Remarks: Hole collapsed at 16.2 feet.							

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