



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

BORING LOG

Richford-Sutton
BHF 0814(1)
VT-105A Bridge #3

Boring No.: **B-101**
Page No.: 1 of 1
Pin No.: 10c222
Checked By: END

Boring Crew: Garrow, Judkins, Nieto
Date Started: 6/06/16 Date Finished: 6/07/16
VTSPG NAD83: N 915475.54 ft E 1617697.85 ft
Station: 59+76.6 Offset: -7.35
Ground Elevation: 514.6 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
06/06/16	21.6	W.T. after drilling
06/07/16	21.5	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.85 ft					
5		A-1-a, SaGr, Dk/brn, Moist, Rec. = 1.3 ft, Lab Note: Pieces of asphalt pavement were within sample	10-8-5-5 (13)	7.4	52.1	41.0	6.9
		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.7 ft	4-5-4-6 (9)	6.5	33.0	57.9	9.1
10		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken concrete was within sample	5-5-4-3 (9)	6.7	54.3	33.2	12.5
		A-1-a, SaGr, gry-brn, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample Field Note:, Cleaned out casing	5-24-9-9 (33)	3.0	65.2	28.0	6.8
		A-1-b, GrSa, gry, MTW, Rec. = 0.3 ft, Lab Note: Broken rock was within sample Field Note:, Rollercone, Cleaned out casing	9-5-4-5 (9)	20.5	27.7	68.8	3.5
		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.5 ft, Lab Note: Broken rock and pieces of broken concrete were within sample Field Note:, NXDC, Cleaned out casing, cobbles, stones and concrete	3-1-4-24 (5)	12.7	50.2	41.3	8.5
15		A-1-a, Gr, gry, Moist, Rec. = 0.7 ft, Lab Note: A lot of pieces of broken concrete were within sample Field Note:, Cleaned out casing	17-9-6-7 (15)	12.8	87.2	10.9	1.9
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Pieces of broken concrete were within sample Field Note:, NXDC, Cleaned out casing, cobbles, stones and concrete	4-2-5-2 (7)	13.7	65.9	25.6	8.5
20		A-1-a, Gr, gry, Moist, Rec. = 0.6 ft, Lab Note: A lot of broken rock and pieces of concrete were within sample Field Note:, NXDC, Cleaned out casing, cobbles and concrete	4-5-12-11 (17)	7.2	87.5	11.4	1.1
		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft Field Note:, Cleaned out casing	11-14-6-4 (20)	12.3	76.4	22.3	1.3
25		24.4 ft - 25.0 ft Field Note:, No Recovery Field Note:, NXDC, Cleaned out casing	4-7-18-9 (25)				
30		Field Note:, Cored concrete from 27.3 feet to 42.3 feet					
45		Hole stopped @ 42.3 ft					
		Remarks: Hole Collapsed at 18.5 feet.					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 <<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.