

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101				
		JOHNSON BRF 030-2(26) VT-15 BR-32		Page No.: 1 of 1		Pin No.: 88B193				
		Checked By: NSM								
Boring Crew: PORTER, GARROW, WERNER		Casing: WB		Sampler: SS		Groundwater Observations				
Date Started: 4/04/11 Date Finished: 4/06/11		I.D.: 3 in 1.5 in		Date: 04/05/11 8.8 AM		Notes				
VTSPG NAD83: N 780951.19 ft E 1582693.19 ft		Hammer Wt: N.A. 140 lb.		Date: 04/06/11 8.9 AM						
Station: 93+20 Offset: -35.80		Hammer Fall: N.A. 30 in.								
Ground Elevation: 488.59 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 45C TRACK CE = 1.34								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (% ROD %)	Drill Rate (minutes/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft				2-3-4-4 (7)	12.8	20.0	59.9	20.1
		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft				1-2-3-5 (5)	9.5	29.0	54.0	17.0
		A-4, SaSi, brn, Moist, Rec. = 1.5 ft				3-2-2-2 (4)	19.4	3.0	44.2	52.8
		A-2-4, SiSa, brn, Moist, Rec. = 1.8 ft				3-3-3-3 (6)	17.1	2.0	71.4	26.6
		A-2-4, GrSa, brn, Wet, Rec. = 1.0 ft				4-10-11 (9)	17.2	22.5	61.5	16.0
		A-1-a, SaGr, brn, Wet, Rec. = 0.8 ft, Lab Note: Sample was rusty-orange color while washing.				4-5-5-6 (10)	13.2	57.8	32.9	9.3
		A-1-a, SaGr, brn, Wet, Rec. = 0.7 ft, Lab Note: Sample was rusty-orange color while washing.				8-9-10 (10)	10.3	66.8	24.0	9.2
		A-1-b, GrSa, brn, Wet, Rec. = 0.8 ft				9-8-5-5 (19)	14.7	38.8	51.4	9.8
		A-1-b, GrSa, brn, Wet, Rec. = 1.0 ft				6-5-6-7 (11)	13.0	41.1	49.2	9.7
		A-1-a, SaGr, brn, Wet, Rec. = 0.8 ft				8-9-13 (13)	10.4	52.9	36.4	10.7
		Field Note: No Recovery, Rock in end of sampler. Appears to be SaGr.				15-12-12 (22)				
		A-1-b, Sa, brn, MTW, Rec. = 1.0 ft				4-6-6-8 (12)	17.9	13.7	77.3	9.0
		A-1-b, GrSa, brn, MTW, Rec. = 0.7 ft, Lab Note: Sample was mostly fine sand, but had two large stones that were included in the gradation.				8-12-9 (14)	18.9	24.0	72.9	3.1
		A-2-4, SiSa, brn, MTW, Rec. = 0.7 ft				5-8-10 (12)	24.6		65.0	35.0
		A-4, SaSi, gry, MTW, Rec. = 1.0 ft				12 (18)	23.9		44.3	55.7
		A-4, Si, gry, MTW, Rec. = 1.1 ft				4-5-9-12 (14)	30.0		10.1	89.9
		A-4, GrSaSi, gry, MTW, Rec. = 0.6 ft				15 (14)	15.8	21.9	34.3	43.8
		A-2-4, SiSa, gry, Wet, Rec. = 0.7 ft				5-10-15 (15)	22.2	5.4	63.2	31.4
		51.7 ft - 56.7 ft, Gray, Quartz-muscovite-chlorite Gneiss, Hard, Unweathered, Very good rock, BXDC	1 (40)	98 (88)	4					
		56.7 ft - 61.7 ft, Gray, Quartz-muscovite-chlorite Gneiss, Hard, Unweathered, Very good rock, BXDC	2 (40)	100 (98)	3					
		Hole stopped @ 61.7 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. 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.										

ABUT. NO. 1  
BOTTOM OF PILE CAP  
ELEV. 481.50

EST. PILE TIP  
ELEV. 436.89

BORING LOG 2 JOHNSON BRF 030-2(26).GPJ VERMONT AOT.GDT 7/18/11

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102	
		JOHNSON BRF 030-2(26) VT-15 BR-32		Page No.: 1 of 1		Pin No.: 88B193	
		Checked By: NSM					
Boring Crew: PORTER, GARROW		Casing: AUGER		Sampler: AUGER		Groundwater Observations	
Date Started: 6/20/11 Date Finished: 6/20/11		I.D.: N.A. N.A.		Date: 06/20/11 8.9		Notes	
VTSPG NAD83: N 780902.65 ft E 1582687.80 ft		Hammer Wt: N.A. N.A.					
Station: 93+05 Offset: 10.68		Hammer Fall: N.A. N.A.					
Ground Elevation: 488.78 ft		Hammer/Rod Type: CME 45C SKID					
		Rig: CE =					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: Asphalt Pavement					
		Field Class: GrSa, brn, Moist					
		Field Class: SiSa, brn, Moist					
		Field Class: GrSiSa, brn, MTW					
		Field Class: SiSa, brn, Wet					
		Field Class: Cobbles, Wet					
		Field Class: SiSa, brn, Wet					
		Field Class: GrSa, brn, Wet					
		Field Note: No Recovery					
		Hole stopped @ 55.6 ft TLOB, CNPF					
		Remarks: 1. 20 feet of solid stem auger was lost in hole.					
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. 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.							

ABUT. NO. 1  
BOTTOM OF PILE CAP  
ELEV. 481.50

EST. PILE TIP  
ELEV. 433.18

BORING LOG 2 JOHNSON BRF 030-2(26).GPJ VERMONT AOT.GDT 7/18/11

PROJECT NAME: JOHNSON  
PROJECT NUMBER: BRF 030-2(26)

FILE NAME: s88b193bor.dgn PLOT DATE: 10-JUN-2014  
PROJECT LEADER: C. CARLSON DRAWN BY: R. PELLET  
DESIGNED BY: H. SALLS CHECKED BY: H. SALLS  
BORING LOG (I) SHEET 24 OF 69