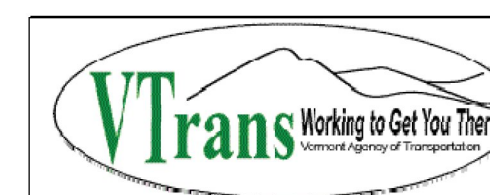


VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-234</b>	
		RUTLAND-HARTFORD NH 020-2(35) US-4		Page No.: 1 of 1		Pin No.: 12B188	
		Checked By:					
Boring Crew: SALISBURY, JUDKINS, DAIGNEAULT		Casing Type: WB		Sampler Type: SS		Groundwater Observations	
Date Started: 5/13/13		Date Finished: 5/14/13		Date: 05/14/13		Depth (ft): 16.5	
VTSPG NAD83: N 419907.27 ft E 1529059.90 ft		Hammer Wt: N.A. 140 lb.		Notes: While drilling.			
Station: MM 1.65		Offset: 41.10		Hammer/Rod Type: Auto/AWJ			
Ground Elevation: 1076.42 ft		Rig: CME 45C SKID		C <sub>c</sub> = 1.33			
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Broken Rock was within sample.	21-38- R@25.0' (R)	3.5	58.9	28.8	12.3
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	16-13-8- 8 (21)	22.0	7.5	57.8	34.7
		A-4, SiSa, brn, Moist, Rec. = 1.1 ft	6-4-5-6 (9)	23.5	15.3	47.9	36.8
		Visual Description: Broken Rock (Cobbles), gry, Moist, Rec. = 0.1 ft	4-11-16- 11 (27)				
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft, Broken (Cobbles) Rock was within sample.	16-24- 19-16 (43)	12.1	37.3	38.2	24.5
		A-1-a, SaGr, brn, MTW, Rec. = 1.0 ft, Lots of Broken (Cobbles) Rock was within sample.	16-15- 11-20 (26)	7.6	66.6	24.1	9.3
		Visual Description: SaGr with Broken (Cobbles) Rock, brn, MTW, Rec. = 0.2 ft, Insufficient sample for testing Field Note: NXDC, Boulder	R@2.5' (R)				
		Field Note: No Recovery	26-24- 15-15 (39)				
		Field Note: Lost water return Field Note: NXDC, Cobbles					
		Field Note: No Recovery	32-32- R@30.0' (R)				
		Field Note: NXDC, Cobbles					
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft, Some Broken (Cobbles) Rock was within sample.	27-31- R@25.0' (R)	13.3	34.4	45.2	20.4
Hole stopped @ 26.4 ft							
Remarks: Hole collapsed at 15.8 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. C <sub>c</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.							



STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SOILS & FOUNDATION UNIT  
DRILLING NOTES

PROJECT NAME: Rutland- Hartford PROJECT NUMBER: NH020-2(35)SC SITE: US-4 DATE: 4/5 - 5/8/2013  
BORING CREW: Daigneault, Salisbury, Judkins TESTED BY: J.Touchette, J. Staab REVIEWED BY: C. Ewald

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS								
						SOIL TYPE, COLOR, MOISTURE	% MOISTURE	AASHTO CLASS.	SOIL DES.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	
B-111	05/07/13	1.7	2.5 R	0.85	A	Asphalt Pavement									
				0.85-5.0	A	Gr Si Sa, Br, Moist	5.6	A-4	Si Sa	19.4	40.3	40.3			
				NLTD											

PROJECT NAME: MENDON  
PROJECT NUMBER: ER 020-2(39)

FILE NAME: z13bi88bor.dgn PLOT DATE: 11/13/2015  
PROJECT LEADER: E. ATKINS DRAWN BY: T. BIGELOW  
DESIGNED BY: T. BIGELOW CHECKED BY: E. ATKINS  
BORING LOG SHEET I SHEET 24 OF 72