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

BORING LOG

CHELSEA
BHF 0169(9)
VT-110 BR-9

Boring No.: **B-104**
Page No.: 1 of 1
Pin No.: 12C150
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 4/29/15 Date Finished: 4/30/15
VTSPG NAD83: N 541667.68 ft E 1654074.11 ft
Station: 146+12.5 Offset: 3.50
Ground Elevation: 812.5 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	5 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:	Auto/AWJ	
Rig:	CME 55 TRACK	C. = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
04/30/15	10.1	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.0 ft								
		A-1-b, GrSa, blk-brn, Moist, Rec. = 1.1 ft				9-10-9-8 (19)	7.3	27.5	58.0	14.5
		A-1-b, GrSa, blk-brn, Moist, Rec. = 0.5 ft				6-6-3-3 (9)	15.3	32.8	54.9	12.3
5		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				2-1-3-8 (4)	8.4	49.2	40.8	10.0
		A-1-b, SaGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				6-9-28-10 (37)	11.3	46.3	42.5	11.2
10		A-2-4, GrSa, brn, MTW, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample. Pieces of Wood were within sample. NXDC, Cleaned out casing.				9-7-5-5 (12)	27.9	22.0	58.0	20.0
		Field Note:, No Recovery, Stone in sampler. NXDC, Cleaned out casing.				30-R@3.5" (R)				
		Field Note:, No Recovery, NXDC, Cleaned out casing.				R@2.5" (R)				
15		Field Note:, No Recovery				R@3.5" (R)				
		Field Note:, Drilled a 4 inch diameter Concrete Core, Rec. = 3.6 ft, NXDC concrete core on the last 0.5 feet.								
BOTTOM OF EXISTING ABUT NO 2 EL 793.6 +\-		18.9 ft - 23.9 ft, Gray, Meta-Limestone, and dark gray Phyllitic Biotite and Muscovite Mica-Schist with Quartz veins. Hard, Slightly weathered, Fair rock, NXMDC, RMR = 54, Notes: Yellow-orange staining and rust staining present on joints.	1 (50)	94 (61)	2 5 3 3 3	Top of Bedrock @ 18.9 ft				
20										
25		23.9 ft - 28.9 ft, Gray, Meta-Limestone, and gray Phyllitic Mica-Schist with Quartz veins. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 58, Notes: Prominent Quartz vein at 26.8'-27.3', Yellow-brown staining present on joints.	2 (50)	100 (75)	4 4 4 4 4					
		Hole stopped @ 28.9 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 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.

BORING LOG 2 CHELSEA BHF 0169(9).GPJ VERMONT AOT.GDT 6/18/15

PROJECT NAME: CHELSEA
PROJECT NUMBER: BHF 0169(9)

T.Y.LIN INTERNATIONAL

FILE NAME: z12c150blog4.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: VTRANS
BORING LOGS 4

PLOT DATE: 8/31/2016
DRAWN BY: S. MORGAN
CHECKED BY: J. OLUND
SHEET 37 OF 137