

VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG Brookfield Floating Bridge BRF FLBR(2)		Boring No.: B-1 Page No.: 1 of 1 Pin No.: 12e134 Checked By: JAG				
Boring Crew: H. Garrow, J. Wimet (GeoDesign)		Casing Sampler		Groundwater Observations						
Date Started: 7/30/12 Date Finished: 7/30/12		Type: FJ SS	Date: 07/30/12	Depth (ft): 2.0	Notes: Wet sample.					
VTSPG NAD83: N 562179.00 ft E 1613055.00 ft		I.D.: 4 in 1.38 in	Hammer Wt: N.A. 140 lb.							
Station: 14+39 Offset: 0.00		Hammer Fall: N.A. 30 in.	Hammer/Rod Type: Auto/AWJ							
Ground Elevation: 1278 ft		Rig: CME 45C SKID	CE = 1.33							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (top depth)	Cone Res. % (ROD %)	Roller Bit Resistance (lb/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-2	S1	Loose, dark brown-black fine to coarse SAND, some fine Gravel, little SILT, trace Roof Fibers, trace Gingers, moist. (FILL) Rec. = 1.5 ft (AASHTO M145 Classification: A-1-b) (AASHTO M145 Classification: Visual Description (Burmister).)				2-5-5-7 (8)	7.4	47.9	42.7	9.4
2-4	S2	Loose, brown WOOD and fine to coarse SAND, some fine Gravel, trace (+) SILT, strong Creosote Odor and Sheen, wet. (FILL) Rec. = 0.5 ft Inferred Timber Cribbing from 2' to 2.6' (AASHTO M145 Classification: A-1-a) (AASHTO M145 Classification: Visual Description (Burmister).)				7-6-3-2 (9)	11.1	50.9	37.5	11.6
4-6	S3	Very loose, brown WOOD, some coarse Gravel, trace fine to coarse Sand, trace SILT, strong Creosote Odor, wet. (FILL) Rec. = 0.5 ft Inferred Timber Cribbing from 4' to 4.9' (AASHTO M145 Classification: Visual Description (Burmister).)				3-2-1-5 (3)	15.7	12.9	50.9	36.2
6-8	S4	Medium dense, gray fine to medium SAND and SILT, wet. (SAND & SILT) Rec. = 1.2 ft (AASHTO M145 Classification: A-4) (AASHTO M145 Classification: Visual Description (Burmister).)	C1	98 (78)	8					
8-9.5		Inferred Weathered Rock based on casing resistance and rig chatter. (AASHTO M145 Classification: Field Note.)								
9.5-19.5		C1) Good quality, moderately hard, fresh with occasional slight weathering in joints, close to wide jointing, gray LIMESTONE, with a white quartzite intrusion in the bottom 8" of the sample. Strong reaction to dilute HCl. C2) Excellent quality, moderately hard, fresh, gray LIMESTONE. Strong reaction to dilute HCl. Hole stopped @ 19.5 ft	C2	100 (100)	4					
<p>Remarks:</p> <ol style="list-style-type: none"> 1) Drilled through wood (Inferred timber cribbing) from 2' to 2.6' deep and 4' to 4.9' deep. 2) Spoon bouncing on Inferred weathered bedrock at 8' deep. 3) Driller Inferred weathered bedrock from 8' to 9.5' deep based on rotary casing and roller bit resistance and chatter. Roller bit refusal at 9.5' deep on top of inferred competent bedrock. 4) Consistent gray-white return water throughout coring C1. Driller increased the rotary head rate after the first foot of coring in C1. 5) Lab testing gradations reported are per AASHTO M145. 6) Northing, Easting, Ground Surface Elevation, and Stationing shown are approximations based on taped measurements made from existing features in the field by GeoDesign personnel on July 30, 2012 and MicroStation files downloaded from TY Lin's FTP site by GeoDesign personnel on August 22, 2012. Location and elevation approximations for the borehole should be considered accurate only to the degree implied by the method of borehole location used. 										
<p>Notes:</p> <ol style="list-style-type: none"> 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Value from roll has 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. 										

BOTTOM OF
ABUT NO 2
EL 1272.67

GEODESIGN BORING LOG BRB-045 FLOATING BRIDGE VERMONT FORMATS 5/7/13

PROJECT NAME: BROOKFIELD
PROJECT NUMBER: BRF FLBR(2)

TYLIN INTERNATIONAL

FILE NAME: z12e134bdr_bor_log.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: J. OLUND
BORING LOGS 3

PLOT DATE: 12/3/2013
DRAWN BY: S. MORGAN
CHECKED BY: J. OLUND
SHEET 25 OF 70