



PARTIAL BORING LOG B-118A

PARTIAL BORING LOG B-118A (CONT'D)

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GZA Geotechnical Engineers and Scientists		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		BORING NO.: B-118A
CONTRACTOR: NH BORING		AUGER/CASING/SAMPLER		PAGE: 1 OF 4
FOREMAN: MATT MARSTON		TYPE: ODEX S.S.		FILE NO.: 22724
LOGGED BY: J. GAUDREAU/M. SEXTON		I.D.: 108MM 35MM		CHECK: DGL
DATE START/FINISH: 7-24-01 / 7-27-01		HAMMER WT.: NA 63.5KG		
BORING LOCATION: NB 6+260, 23M		HAMMER FALL: NA 0.76M		
GS ELEV.: DATUM NGVD		RIG TYPE: DIEDRICH D-50 BOMBARDIER		

DEPTH (M)	SAMPLE INFORMATION				DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
	NO.	PEN./REC. (M)	DEPTH (M)	BLOWS (/0.15M)				
0-1								NO EQUIPMENT INSTALLED
1-2					ADVANCED BOREHOLE THROUGH NESTED COBBLES AND BOULDERS FROM 0 TO 4.42 METERS (0 TO 14.5 FEET) BELOW GROUND SURFACE USING THE ODEX DRILL.	FLUVIAL		
2-8					REFER TO BORING B-118 FOR SAMPLES TAKEN FROM 0 TO 8.08 METERS (0 TO 26.5 FEET) BELOW GROUND SURFACE.			
8-9	S-1	0.61 / 0.61	9.14 - 9.75	8-14 / 20-28	34	DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT SEAMS. (A-4)		

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. 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.

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GZA Geotechnical Engineers and Scientists		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		BORING NO.: B-118A
PAGE: 2 OF 4		FILE NO.: 22724		CHECK: DGL

DEPTH (M)	SAMPLE INFORMATION				DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
	NO.	PEN./REC. (M)	DEPTH (M)	BLOWS (/0.15M)				
11-12	S-2	0.61 / 0.48	10.67 - 11.28	16-26 / 32-53	58	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE TO MEDIUM SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)		
12-13	S-3	0.61 / 0.41	12.19 - 12.80	19-43 / 67-85	110	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH LIGHT BROWN, SILT LENSES. (A-4)		
13-14	S-4	0.61 / 0.41	13.72 - 14.33	16-47 / 51-63	98	VERY DENSE, BROWN, SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT SEAMS AND LENSES. (A-4)		
15-16	S-5	0.41 / 0.30	15.24 - 15.65	23-59 / 100-102MM	>100	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT SEAMS AND LENSES. (A-4)	LACUSTRINE	
17-18	S-6	0.61 / 0.46	16.76 - 17.37	12-33 / 57-87	90	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH WHITE, SILT AND FINE SAND SEAMS AND LENSES. (A-4)		
18-19	S-7	0.61 / 0.56	18.29 - 18.90	18-27 / 36-55	63	VERY DENSE, REDDISH-BROWN, SILT AND FINE TO MEDIUM SAND WITH WHITE, SILT SEAMS AND LENSES. (A-4)		
20-21	S-8	0.61 / 0.30	19.81 - 20.42	26-51 / 58-8	109	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH WHITE, SILT LENSES. (A-4)		
21-22	S-9	0.53 /	21.34 -	21-53	157	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND		

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GZA Geotechnical Engineers and Scientists		Bennington Bypass North Bennington, Vermont		BORING NO.: B-118a
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Depth (m)	Sample Information				Sample Description & Classification	Stratum Desc.	REMARKS	Equipment Installed
	No.	Pen./Rec. (m)	Depth (m)	Blows (/0.15m)				
22		0.33	21.87	104-100 / 78mm				
23	S-10	0.61 / 0.30	22.86 - 23.47	37-94 / 90-89	184	Very dense, light brown, SILT, some fine to coarse Sand with white, Silt seams and lenses. (A-4)		
24	S-11	0.56 / 0.38	24.38 - 24.94	23-43 / 66-100 / 102mm	109	Very dense, light brown, SILT, some fine to medium Sand with white, Silt lenses. (A-4)		
26	S-12	0.41 / 0.25	25.91 - 26.31	47-100 / 100 / 102mm	>100	Very dense, light brown, SILT, some fine Sand with white, Silt lenses. (A-4)	LACUSTRINE	
27	S-13	0.10 / 0.10	27.43 - 27.53	100 / 102mm	>100	Very dense, light brown, SILT, some fine Sand with white, Silt lenses. (A-4)	LACUSTRINE	
29	S-14	0.58 / 0.38	28.96 - 29.54	39-75 / 89-100 / 127mm	164	Very dense, light brown, SILT, some fine Sand with white, Silt lenses. (A-4)		
30	S-15	0.23 / 0.23	30.46 - 30.71	49-100 / 76mm	>100	Very dense, light brown, SILT, some fine to medium Sand, trace Gravel with gray, Silt lenses. (A-4)		
32	S-16	0.30 / 0.25	32.00 - 32.31	39-100 / 152mm	>100	Very dense, light brown, fine to medium SAND and Silt with gray, Silt lenses. (A-4)		

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* BOTTOM OF DRILLED SHAFT, RAMP A, PIER 7 - EL. 224.250

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of **BENNINGTON** Bridge No. **BI5, BI5N, BI5S**
 Highway No. **VT RTE 279** Log Sta.
 Sur. Sta.
VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOMSAC RIVER

BORING LOGS (SHEET 14 OF 33)

Designed By **GZA** Drawn By **L.R. DELL**
 Checked By **GZA** Date **04/06** Bridge Design Supervisor **K.M. WOJTKOWSKI** Date **04/06**
 PROJECT **BENNINGTON** PROJECT NO. **AC NH 019-(K51)**
 TVGA CAD Drawing No. **BLI4.dgn** Date **02/02/2009**
 Bridge Sheet No. **BR220** Sheet **207 of 367**

