

**BORING LOG  
BB 439**

**BORING LOG (CONT'D.)  
BB 439**

GZA GEOTECHNICAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass Bennington, Vermont FILE NO.: 13417		SHEET 1 of 2 ROADWAY Rt. 7 Bypass STATION 9+288 OFFSET 15.4 RL						
ENGINEERS AND SCIENTISTS		CONTRACTOR Capital Environmental Drilling Services DRILLER Steve Alsup GZA REPRESENTATIVE TRS/MJS CHECKED BY VRK		BORING TYPE BB, East Rd. (Park St. Ext.) Bridge, Center GROUND SURFACE ELEVATION 259.2 M DATUM Bvoo Pier START DATE 11/11/94 END DATE 11/14/94						
TYPE OF DRILL RIG Mobile Drill B-53		WATER LEVEL DATA								
CASING SIZE AND TYPE 4 1/2 inch I.D. Hollow Stem Augers		DATE	TIME	WATER	CASING	REMARKS				
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24 inch Long SPLIT spoon		11/14/94	1030	6.5'	24'	stabilized 3 days				
ROCK DRILLING METHOD										
DEPTH (M)	DEPTH (FT)	SAMPLE					SAMPLE DESCRIPTION	EQUIPMENT INSTALLATION LOG	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE /ROD(%)	REC (%)				
0.3	1	5	S-1	0-2	19	55	Medium dense, brown, fine to coarse SAND, some fine to coarse Gravel, trace clayey Silt, moist.		WEATHERED GLACIAL TILL	1.
		9								
		10								
0.6	2	12								
0.9	3									
1.2	4	9	S-2	4-6	25	25	Medium dense, brown, fine to coarse SAND, and fine to coarse Gravel, little Silt & Clay, moist.			2.
1.5	5	8								
1.8	6	17								
2.1	7	20								
2.4	8									
2.7	9	9	S-3	9-11	10	40	Loose to medium dense, brown, fine to coarse SAND, some Clay & Silt, little fine to coarse Gravel, moist.			
3.0	10	7								
3.4	11	3								
3.7	12	5								
4.0	13									
4.3	14	2	S-4	14-16	13	50				

**LEGEND**  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

**NOTES:**  
1. Removed 2 ft. of stone wall to get to boring.  
2. Large piece of gravel at top of sample.

**GENERAL** 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) 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.

GZA BORING No. 9+288

BOTTOM OF PIER FOOTING  
EL.233.100 m

GZA GEOTECHNICAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass Bennington, Vermont FILE NO.: 13417		SHEET 2 of 2 ROADWAY Rt. 7 Bypass STATION 9+288 OFFSET 15.4 RL						
ENGINEERS AND SCIENTISTS		CONTRACTOR Capital Environmental Drilling Services DRILLER Steve Alsup GZA REPRESENTATIVE TRS/MJS CHECKED BY VRK		BORING TYPE BB, East Rd. (Park St. Ext.) Bridge, Center GROUND SURFACE ELEVATION 259.2 M DATUM Bvoo Pier START DATE 11/11/94 END DATE 11/14/94						
DEPTH (M)	DEPTH (FT)	SAMPLE					SAMPLE DESCRIPTION	EQUIPMENT INSTALLATION LOG	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE /ROD(%)	REC (%)				
4.6	15	2					Medium dense, brown, fine to coarse SAND, some Silty Clay, trace fine Gravel, wet.		WEATHERED GLACIAL TILL	
		11								
4.9	16	6								
5.2	17								17.5 FT.	
5.5	18									
5.8	19	35	S-5	19-21	100+	35	Hard, yellowish-brown, SILT & CLAY and fine to coarse Sand, trace fine Gravel, moist.		GLACIAL TILL	
6.1	20	57								
6.4	21	61								
6.7	22	45								
7.0	23									
7.3	24	29	S-6	24-25.8	100+	65	Hard, yellowish-brown, SILT & CLAY and fine to coarse Sand, trace fine Gravel, moist.			3.
7.6	25	52								
7.9	26	78								
8.2	27	200/4"								
8.5	28									
8.8	29	45	S-7	29-30.3	100+	60	Hard, yellowish-brown, SILT & CLAY and fine to coarse Sand, trace fine Gravel, moist.			
9.1	30	74								
9.4	31	100/8"								
9.7	32									
10.0	33	100/0"	S-8	33.0	100+	0	No recovery			
							Bottom of boring at 33 ft.			

**LEGEND**  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

**NOTES:** 3. S-6 through S-8 are from driller's notes, GZA was not present 11/11/94. Casing left in place over weekend. Casing removed on 11/14/94.

**GENERAL** 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
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**NOTE:**  
ENGLISH AND METRIC UNITS THAT WERE USED ON THE ORIGINAL BORING LOGS HAVE BEEN RETAINED.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	B11
Highway No.	TH 5	Log Sta.	
		Surv. Sta.	
EAST ROAD OVER VT ROUTE 279			
<b>BORING LOGS (6 OF 9)</b>			
Designed By	S. BURBANK	Drawn By	A. THIBAUT
Checked By	M. CHENETTE	Bridge Design Supervisor	G. BOGUE
	Date 11/04	Date	03/07
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-1(53)
Dgn:	...Design\ER-Bore6.dgn	Plot Date:	5/25/2011
Bridge Sheet No.	BR610	Sheet	257 of 577



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