



**BORING LOG  
BB 437**

GZA GEOTECHNICAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass Bennington, Vermont FILE NO.: 13417		ROADWAY Rt. 7 Bypass STATION 9+276 OFFSET 13.9 ML		SHEET 1 of 3		
CONTRACTOR Capital Environmental Drilling Services DRILLER Mark Voisine GZA REPRESENTATIVE TRS/MJS CHECKED BY VRK		BORING TYPE BB, East Rd. (Park St. Ext.) Bridge Center GROUND SURFACE ELEVATION 241.3 M DATUM NGVD Pier START DATE 11/08/94 END DATE 11/08/94		WATER LEVEL DATA				
TYPE OF DRILL RIG Mobile Drill B-53		DATE 11/08/94		TIME 1620		WATER 10.0'		
CASING SIZE AND TYPE 4 inch I.D. Flush Joint Casing		CASING 18.3'		REMARKS After completion				
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24 inch Long SPLIT spoon								
ROCK DRILLING METHOD								
DEPTH H (M)	DEPTH H (FT)	SAMPLE				CASING DEPTH FT.	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE /ROD(%)			
		1	S-1	0-2	13	60		
0.3	1	6					1 - 4	GRANULAR FILL
		7						
		15					2 - 13	
0.6	2							
0.9	3						3 - 15	
1.2	4	3	S-2	4-6	4	15	4 - 14	
		2						
		2					5 - not recorded	
1.8	6	2	S-3	6-8	17	45	6 - not recorded	
		8						
2.1	7	9					7 - 12	WEATHERED GLACIAL TILL
		10						
2.4	8						8 - 22	
2.7	9	8	S-4	9-11	7	50	9 - 18	
		2						
3.0	10	5					10 - 6	
		9						
3.4	11						11 - 8	
3.7	12						12 - 16	12.5'
4.0	13						13 - 46	GLACIAL TILL
4.3	14	25	S-5	14-16	63	50	14 - 43	

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

NOTES:

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. 9-276

BOTTOM OF PIER FOOTING  
EL.233.00 m

**BORING LOG (CONT'D.)  
BB 437**

GZA GEOTECHNICAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass Bennington, Vermont FILE NO.: 13417		ROADWAY Rt. 7 Bypass STATION 9+276 OFFSET 13.9 ML		SHEET 2 of 3		
CONTRACTOR Capital Environmental Drilling Services DRILLER Mark Voisine GZA REPRESENTATIVE TRS/MJS CHECKED BY VRK		BORING TYPE BB, East Rd. (Park St. Ext.) Bridge Center GROUND SURFACE ELEVATION 241.3 M DATUM NGVD Pier START DATE 11/08/94 END DATE 11/08/94		WATER LEVEL DATA				
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OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24 inch Long SPLIT spoon								
ROCK DRILLING METHOD								
DEPTH H (M)	DEPTH H (FT)	SAMPLE				CASING DEPTH FT.	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE /ROD(%)			
4.6	15	38						
		25						
4.9	16	18						
5.2	17							
5.5	18							
5.8	19	18	S-6	19-20.2	100*	60		
		102						
6.1	20	100/2"						
6.4	21							
6.7	22							
7.0	23							
7.3	24	52	S-7	24-26	100*	75		
		86						
7.6	25	104						
7.9	26	151						
8.2	27							
8.5	28							
8.8	29	40	S-8	29-31	100*	90		
		51						
9.1	30	59						
		116						
9.4	31							
9.7	32							
10.0	33							

LEGEND  
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NOTES: 1. Change to spinning 3" casing at 19'.

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ROCK DRILLING METHOD								
DEPTH H (M)	DEPTH H (FT)	SAMPLE				CASING DEPTH FT.	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE /ROD(%)			
10.3	34	71	S-9	33-35	100*	90		
		128						
		170						
10.6	35							
10.9	36							
11.2	37							
11.5	38							
11.8	39							
12.1	40							
12.4	41							
12.7	42							
13.0	43							
13.3	44							
13.6	45							
13.9	46							
14.2	47							
14.5	48							
14.8	49							
15.1	50							
15.4	51							
15.7	52							

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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.	Bill
Highway No.	TH 5	Log Sta.	
		Surv. Sta.	
EAST ROAD OVER VT ROUTE 279			
<b>BORING LOGS (4 OF 9)</b>			
Designed By	S. BURBANK	Drawn By	A. THIBAUT
Checked By	Date	Bridge Design Supervisor	
M. CHENETTE	11/04	G. BOGUE	Date 03/07
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-(K53)
Dgn:	...Design\ER\ER-Bore4.dgn	Plot Date:	5/25/2011
Bridge Sheet No.	BR608	Sheet	255 of 577

