

**BORING LOG
BB 442**

**BORING LOG (CONT'D.)
BB 442**

GZA GEOENVIRONMENTAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass		SHEET 1 of 2	
ENGINEERS AND SCIENTISTS		Bennington, Vermont FILE NO.: 13417		ROADWAY Rt. 7 Bypass STATION 9+286 OFFSET 32.5 ft.	
CONTRACTOR Capital Environmental Drilling Services		BORING TYPE BB, East Rd. Bridge (Park St. Ext.) S. Abut		DATE 2/8/95	
DRILLER Steve Clavette		GROUND SURFACE ELEVATION 240.3		DATUM NYGD	
GZA REPRESENTATIVE Smith		START DATE 2/8/95		END DATE 2/8/95	
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
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24 inch long split spoon		2/8/95	1210	13.1'	0'
ROCK DRILLING METHOD		REMARKS After augers pulled			

DEPTH (M)	DEPTH (FT)	SAMPLE				SAMPLE DESCRIPTION	EQUIPMENT INSTALLATION LOG	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE / ROD(%)				
0.3	1	100/3"	S-1	1-1.25	100+	100		ASPHALT PAVEMENT 0.6 ft.	1.
0.6	2							GRANULAR FILL 2.5 ft.	2.
0.9	3							WEATHERED GLACIAL TILL	
1.2	4								
1.5	5	6	S-2	5-7	10	60	Loose to medium dense, tan, fine to coarse SAND, some fine to coarse Gravel, little Silt & Clay, moist.		
1.8	6	6							
2.1	7	5							
3.0	10	6	S-3	10-12	59	30	Very dense, brown, fine to coarse SAND, some fine to coarse Gravel, little Silt & Clay, moist.		
3.4	11	34							
3.7	12	11							
4.0	13							13.5 ft.	3.
4.3	14							GLACIAL TILL	

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

NOTES:
1. Asphalt pavement 0 - .6 ft.
2. Fill .6 - 2.5 ft.
3. Increased resistance to augering at 13 ft.

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+286

BOTTOM OF ABUT. 1 FOOTING
EL. 236.500 m

GZA GEOENVIRONMENTAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass		SHEET 2 of 2	
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ROCK DRILLING METHOD		REMARKS After augers pulled			

DEPTH (M)	DEPTH (FT)	SAMPLE				SAMPLE DESCRIPTION	EQUIPMENT INSTALLATION LOG	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE / ROD(%)				
4.6	15	26	S-4	15-17	86	75	Hard, yellowish-brown, SILT & CLAY and fine to coarse Sand, trace fine Gravel, moist.	GLACIAL TILL	
4.9	16	35							
5.2	17	51							
5.5	18								
5.8	19								
6.1	20	WR	S-5	20-22	45	55	Hard, yellowish-brown, SILT & CLAY and fine to coarse Sand, trace fine Gravel, moist.	TILL	
6.4	21	13							
6.7	22	32							
7.0	23	35							
7.3	24								
7.6	25	44	S-6	25-27	100+	100	Hard, yellowish-brown, SILT & CLAY and fine to coarse Sand, trace fine Gravel, moist.		
7.9	26	53							
8.2	27	51							
8.5	28	55							
8.8	29								
9.1	30	54	S-7	30-32	100+	85	Very dense, orange-brown and gray, fine to coarse SAND, some fine to coarse Gravel, some Silt & Clay, moist.		
9.4	31	107							
9.7	32	99							
10.0	33	101							
		100/3"	S-8	33-33.25	100+	0	No recovery.		4.

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

NOTES:
4. Bottom of boring at 33.25 ft.

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			
BORING LOGS (8 OF 9)			
Designed By	S. BURBANK	Drawn By	A. THIBAUT
Checked By	M. CHENETTE	Date	11/04
		Bridge Design Supervisor	G. BOGUE
		Date	03/07
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-1(53)
Dgn.:	...Design\ER-Bore8.dgn	Plot Date:	5/25/2011
Bridge Sheet No.	BR612	Sheet	259 of 577



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