

SPRINGFIELD BRS-RS-013(8)
BORING NO. B-5

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
RAFT DECK						8/12/94
ELEV. 291.31						
RIVER WATER						
ELEV. 289.97						
5						
RIVER BOTTOM						
ELEV. 283.31						
10	3			W	GRY	A-1-b, SAND, REC=0.3 W=23.5%
	7			W	GRY	A-1-b, SAND, REC=0.5 W=24.3%
	4			W	GRY	A-1-b, SAND, REC=0.6 W=21.4%
15	9				NR	
20	14			W	GRY	A-2-4, SAND, REC=0.2 W=21.4%
25	21			W	GRY	A-4, SANDY SILT, REC=0.3 W=26.2%
30	14			W	GRY	A-4, SANDY GRAVELLY SILT, REC=0.2 W=26.6%
35	13			W	GRY	A-4, SILT, REC=1.5 W=28.0%
40	8			W	GRY	A-4, SILT, REC=1.9 W=20.8%
45	9			W	GRY	A-4, SANDY SILT, REC=2.0 W=26.5%
50	R			W	GRY	A-4, SILT, REC=1.0 W=16.0%
55						TOP OF BEDROCK @ 52.0 RUN #1 BXMDC 52.0-57.0 REC=1.5 RUN #2 BXMDC 57.0-60.0 REC=0.5 CORE BARREL PLUGGED, ADVANCED CASING TO 63.0 RUN #3 BXMDC 63.0-67.0 REC=4.0 RUN #4 BXMDC 67.0-70.0 REC=3.0 HOLE STOPPED @ 70.0 IN BEDROCK
60						
65						
70						
75						RUN REC% ROD% 1 30% 0% 2 17% 0% 3 100% 0% 4 100% 0%
80						CORE CONSISTS OF BOULDERS OR LOOSE SLABS OF LEDGE TO A DEPTH OF 63.0' THE CORE BELOW CONSISTS OF DARK GREY PHYLITE. THE ROCK HAS MEDIUM HARDNESS, IS SLIGHTLY WEATHERED AND COMPETENT OVERALL. ROCK BREAKS EASILY ALONG FOLIATION PLANES, RESULTING IN LOW ROD.
85						
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SPRINGFIELD BRS-RS-013(8)
BORING NO. B-5A

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
RAFT DECK						8/5/94
ELEV. 291.24						
RIVER WATER						
ELEV. 289.97						
5						
RIVER BOTTOM						
ELEV. 281.24						
10	4			W	GRY	A-1-b, SAND, REC=1.2 W=27.6%
15	40			W	GRY	A-1-a, GRAVEL, REC=1.3 W=9.5%
20						BXDC 18.0-21.0 BOULDERS
25	24			W	DK GRY	A-4, SILT, REC=1.0 W=29.8%
30	27			W	DK GRY	A-4, SANDY SILT, REC=1.6 W=21.3%
35	29			W	DK GRY	A-4, SILT, REC=2.0 W=27.2%
40	27			M	DK GRY	A-4, SILT, REC=2.0 W=22.8%
45	17			M	DK GRY	A-4, SILT, REC=2.0 W=25.2%
50	21			M	DK GRY	A-4, SANDY SILT, REC=2.0 W=22.3%
55	14			M	DK GRY	A-4, SILT, REC=2.0 W=29.2%
60	R			M	DK GRY	A-1-b, SANDY GRAVEL W=9.2% TOP OF BEDROCK 61.0
65						BXDC 61.0-63.0 NR
70						RUN #1 BXMDC 66.0-71.0 REC=4.5 RUN #2 BXMDC 71.0-75.5 REC=4.4
75						HOLE STOPPED @ 75.5 RUN REC% ROD% 1 90% 33% 2 109% 109%
80						CORE CONSISTS OF DARK GREY PHYLITE. THE ROCK HAS MEDIUM HARDNESS, SLIGHT WEATHERING AND IS COMPETENT OVERALL
85						

ESTIMATED PILE LENGTH = 25'-0"

SPRINGFIELD BRS-RS-013(8)
BORING NO. B-6

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
RAFT DECK						8/10/94
ELEV. 291.42						
RIVER WATER						
ELEV. 289.97						
5						
RIVER BOTTOM						
ELEV. 281.42						
10	4			W	GRY	NR, A-1-b, SAND, W=16.5%
15	21			W	GRY	NR, TRACE SAND-STONE IN SAMPLER
20						BOULDERS
25	33					NR, BOULDERS
30	15			W	GRY	A-4, SILT, REC=0.4 W=33.2%
35	8			W	GRY	A-4, SILT, REC=1.5 W=25.8% TOP OF BEDROCK @ 38.5
40						RUN #1 BXDC 38.5-40.5 NO REC RUN #2 BXMDC 40.5-43.5 REC=2.0 RUN #3 BXMDC 43.5-48.5 REC=1.6 RUN #4 BXMDC 48.5-53.5 REC=5.0
45						
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55						HOLE STOPPED @ 53.5 RUN REC% ROD% 1 0% 0% 2 67% 14% 3 32% 0% 4 100% 90%
60						PROBABLE BOULDERS TO A DEPTH OF 40.5 CORE CONSISTS OF DARK GREY PHYLITE. THE ROCK HAS MEDIUM HARDNESS, IS SLIGHTLY WEATHERED AND IS COMPETENT OVERALL. LOW ROD DUE TO NUMEROUS BREAKS ALONG FOLIATION PLANE.
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SPRINGFIELD BRS-RS-013(8)
BORING NO. B-7

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
RAFT DECK						8/8/94
ELEV. 291.07						
RIVER WATER						
ELEV. 289.97						
5						
RIVER BOTTOM						
ELEV. 281.07						
10	4			W	GRY	A-1-b, SAND, REC=0.2 W=26.2%
15	12					NR
20	5			W	GRY	A-1-a, SANDY GRAVEL, REC=0.3 W=16.5%
25	10			W	GRY	A-1-b, SILTY GRAVELLY SAND, REC=0.3 W=20.7%
30	23			W	GRY	A-4, SILT, REC=0.1 W=34.2% TOP OF BEDROCK @ 33.0
35						RUN #1 BXDC 33.0-35.0 NO REC, TRACE OF SOFT ROCK RUN #2 BXMDC 35.0-40.0 REC=4.7 RUN #3 BXMDC 40.0-45.0 REC=4.4
40						
45						RUN REC% ROD% 1 0% 0% 2 94% 42% 3 88% 27%
50						CORE CONSISTS OF A MEDIUM GREY PHYLITE. THE ROCK HARDNESS IS MEDIUM TO SOFT AND IT IS VERY SLIGHTLY WEATHERED. THE ROCK HAS A WELL DEVELOPED PLANAR SCHISTOSITY WHICH CAUSES BREAKAGE OF THE CORE AND LOW ON ROD.
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**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	SPRINGFIELD	Bridge No.	44
Highway No.	U.S. ROUTE 5	Log Sta.	
		Surv. Sta.	
U.S. ROUTE 5 OVER BLACK RIVER			
BORING INFORMATION SHT-3			
Designed By	S. BAKI	Drawn By	K. NICHOLS/W. GAYNOR
Checked By	S. BAKI	Date	MARCH 1995
		Bridge Design Supervisor	P. PIERCE
		Date	5/96
PROJECT	SPRINGFIELD	PROJECT NO.	BRS-RS 0113 (8)
I.G.C. Info.	c:\usr\j9145622\sprborlg.dgn		
Bridge Sheet No.	BRI07	Sheet	36 of 90