

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-5 SHEET 1 OF 1 DATE STARTED: 3/6/96 DATE COMPLETED: 3/7/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 104+10.00 GROUND EL.: 464.81		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 20.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-2-4, GrSiSa, Moist, br, Rec. = 0.4'	R	33.3	21.2	52	26.8		
10		No recovery	23						
15		A-1-b, SaGr, Wet, br, Rec. = 1.0'	32	18.6	50.9	39.4	9.7		
20		No recovery	81						
25		No recovery	40						
30		BXDC 33.0' - 33.5', boulder, Rec. = 2.0'							
Top of bedrock @ 33.5'									
35		Run #1: BXMDC 33.5' - 38.5', Rec. = 4.9'			40	98	72		
40		Run #2: BXMDC 38.5' - 43.5', Rec. = 5.0'			40	100	65		
Geologist's Report									
45		Run #1: Gray phyllitic schist with porphyroblasts of garnet and biotite. Some quartz veins. Unweathered - medium hard Rock is competent							
Run #2: Same as Run #1									
Hole stopped @ 43.5'									

Bot Abut. | Ftg = 456.00

Estimated Pile Tip Elevation

Bot Pier Ftg = 449.00

Estimated Drilled Shaft Tip Elevation

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-6 SHEET 1 OF 1 DATE STARTED: 7/30/96 DATE COMPLETED: 8/2/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 106+35.00 GROUND EL.: 454.44		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: -29.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: WILLIS LOGGER: CHABOT		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		BXDC 1.5' - 3.0', boulders							
5		A-1-a, Gr, Sat., br, Rec. = 0.4'	19	6.7	84.3	15.7	0		
10		BXDC 7.5' - 8.5', boulder							
10		A-1-b, GrSa, wet, dk br, Rec. = 1.1'	55	16.0	36.5	53.8	9.7		
15		A-1-a, SaGr, wet, dk br, Rec. = 0.6'	62	17.4	64.9	30.9	4.2		
Top of bedrock @ 19.8'									
20		Run #1: BXDC 19.8' - 21.8', Rec. = 1.2'	35	24	0				
20		Run #2: BXMDC 21.8' - 26.8', Rec. = 4.8'	30	96	0				
25									
30		Run #3: BXMDC 26.8' - 31.8', Rec. = 4.9'	30	98	90				
Geologist's Report:									
35		Run #1: gray phyllitic schist with porphyroblasts of biotite and garnet. Some pyrite. Moderately soft. Unweathered.							
40		Low ROD may be due to mechanical breakage.							
40		Run #2: Same as Run #1 but also contains quartz veins.							
45		Low ROD may be due to mechanical breakage.							
45		Run #3: Same as Run #2. Rock is competent							
Hole stopped @ 31.8'									

Bot Pier Ftg = 449.00

Estimated Drilled Shaft Tip Elevation

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-7 SHEET 1 OF 1 DATE STARTED: 8/5/96 DATE COMPLETED: 8/6/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 106+30.00 GROUND EL.: 454.09		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: KELLEY DRILLER: CHABOT E J LOGGER: WILLIS		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-a, Gr, Sat., br, Rec. = 0.4'	19	16.8	84.2	13.9	1.9		
5		A-1-a, Gr, Sat., br, Rec. = 0.5'	14	12.4	78.1	18.8	3.1		
10		A-1-a, Gr, Sat., br, Rec. = 0.2'. Stone in end of sample.	19		88.1	11.8	0.1		
10		BXDC 8.0' - 9.7', Boulders							
10		A-1-a, Gr, Sat., gr br, Rec. = 0.7'	50	7.4	78.2	17.6	4.2		
15		A-1-b, GrSa, Wet, gr br, Rec. = 0.5'	33	14.6	37.4	54.1	8.5		
15		A-1-b, GrSa, Wet, gr br, Rec. = 0.7'	R	15.6	29.5	57.7	12.8		
Run #1: BXMDC 15.2' - 20.2', Rec. = 4.7'			30	94	47				
Top of bedrock @ 15.2'									
20		Run #2: BXMDC 20.2' - 25.2', Rec. = 4.8'	30	96	88				
25									
Geologist's Report:									
30		Run #1: Light gray phyllite grading to gray phyllitic schist. Quartz veins. Phyllitic schist has porphyroblasts of biotite and garnet. Moderately soft. Unweathered. Competent.							
35		Run #2: Gray phyllitic schist with quartz veins and porphyroblasts of biotite and garnet. Moderately soft. Unweathered. Competent.							
40									
45									
Hole stopped @ 25.2'									

Bot Pier Ftg = 449.00

Estimated Drilled Shaft Tip Elevation

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-7A SHEET 1 OF 1 DATE STARTED: 8/12/96 DATE COMPLETED: 8/13/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 106+40.00 GROUND EL.: 453.61		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: WILLIS DRILLER: KELLEY LOGGER: CHABOT		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-a, SaGr, Sat., br, Rec. = 0.8'	21	15.6	77	19.8	3.2		
10		A-1-a, Gr, Sat., gr, Rec. = 0.2'	R		91.3	7.8	0.9		
15		A-1-a, SaGr, Sat., br, Rec. = 0.2'	R		73.2	20.0	6.8		
Top of bedrock @ 15.9'									
20		Run #1: BXMDC 15.9' - 20.9', Rec. = 4.8'	25	96	60				
20		Run #2: BXMDC 20.9' - 25.9', Rec. = 4.7'	25-30	94	78				
25									
Geologist's Report:									
30		Run #1: Light gray to gray phyllitic schist with quartz veins. Middle portion of core exhibits porphyroblasts of biotite and garnet. Moderately soft. Unweathered. Competent.							
35		Run #2: Same as Run #1							
40									
45									
Hole stopped @ 25.9'									

Note: all distances in feet.

SURVEYED BY: R. GILMAN DATE: 09/91
 DRAWN BY: S. COENYE DATE: 09/96
 SQUAD LEADER: C. BENDA
 DESIGN FILE NO.: /89/099/Structures/sj099bor.dgn
 IPARM FILE: sj099bo2.i DATE PLOTTED: 25-SEP-2000
 PROJ. NAME: ROYALTON
 PROJ. NO.: BRZ 1444(22)
 BORING HOLE CHARTS 5 - 7a
 SHEET 19 OF 118