



CH2M HILL CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 01460							
SUBSURFACE LOG		HOLE NUMBER B-770							
PROJECT NUMBER: 3573.07.01	May 1995	DRILL FLUID: Water	DRILLING METHOD: F.J.C.						
LOCATION: Station 16+965.3 Offset: 0.3m RT		DATE: 5/2/95	TIME: 19:30						
CLIENT: VDOT		WATER DEPTH: 1m	CASING BOTTOM: 23.9m						
CONTRACTOR: Atlantic Testing		WATER LEVEL OBSERVATIONS DURING DRILLING	NO. OF SAMPLES: 23.9m						
DRILLER: M.J.L.	INSPECTOR: H.Simpson	DATE: 5/2/95	TIME: 06:45						
START DATE: 5/10/95	FINISH DATE: 5/11/95	WATER DEPTH: 0.9m	CASING BOTTOM: 23.9m						
SURFACE ELEV.: 173.3m	CHECKED BY: WAH	DATE: 5/2/95	TIME: 17:30						
		WATER DEPTH: 1m	CASING BOTTOM: 23.5m						
S1	.6m	0.5m	WH-WH-1	0		f. SAND, some silt, brown, v. loose, moist (A-2-4)	173		
S2	.6m	0.5m	H	3		Similar soils (A-2-4)	172.5		
S3	.6m	0.6m	WH-WH-1	0	1.5	becomes gray, wet (A-2-4)	171.5		
S4	.6m	0.3m	I-2-2-1	4	2	f.c. SAND, some f. gravel, trace c. gravel, brown, v. loose, wet (A-1-a)	171		
S5	.6m	0.4m	6-5-4-4	26	2.5	f.c. GRAVEL, little c. sand, brown, dense, wet (A-1-a)	170.5		
S6	.6m	0.2m	5-7-4-7	18	3	becomes m. dense (A-1-a)	170		
S7	.6m	0.2m	6-8-9-9	17	3.5		169.5		
S8	.6m	0.5m	4-3-5-6	8	4	f. SAND, little silt, gray/black, loose, wet (A-2-4)	169		
S9	.6m	0.3m	5-6-8-8	14	4.5	becomes m. dense (A-2-4)	168.5		
S10	.6m	0.2m	5-7-8-7	15	5	Similar soils (A-2-4)	168		
S11	.6m	0.5m	4-4-6-6	10	5.5	becomes loose (A-2-4)	167.5		
S12	.6m	0.5m	6-5-6-7	11	6	Similar soils (A-2-4)	167		
S13	.6m	0.6m	3-4-3-5	7	6.5	Clayey SILT, gray, stiff, wet (A-4)	166.5		
S14	.6m	0.2m	25-14-15-11	29	7	becomes m. stiff (A-4)	166		
S15	.6m	0.3m	5-6-7-10	13	7.5	f. SAND and f. GRAVEL, trace c. gravel, gray, m. dense, wet (A-1-a)	165.5		
S16	.6m	0.3m	6-7-5-6	12	8	f.c. GRAVEL, some silt, gray, m. dense, wet (A-2-4)	165		
S17	.6m	0.3m	9-4-7-8	11	8.5	f.c. GRAVEL and f.c. SAND, trace silt, gray, m. dense, wet (A-1-a)	164.5		
S18	.6m	0.2m	WH-4-3-8	7	9	f.c. SAND, some silt, gray, loose, wet (A-2-4)	164		
S19	.6m	NR	100/0m	R	9.5	c. GRAVEL, little silt, gray, v. dense, wet (A-1-b) (TILL)	163.5		
S20	.4m	0.4m	26-60	R	10	no recovery (A-1-b) (TILL)	163		
R1	1.5m	1.5m			10.5	DOLOSTONE, little quartz veining, gray, m. hard, slight weathering, thick bedding, close fracture spacing, v. poor ROD.	162.5		
R2	1.5m	1.5m			11	Similar bedrock	162		
					11.5		161.5		
					12		161		
					12.5		160.5		
					13		160		
					13.5		159.5		
					14		159		
					14.5		158.5		
					15		158		
					15.5		157.5		
					16		157		
					16.5		156.5		
					17		156		
					17.5		155.5		
					18		155		
					18.5		154.5		
					19		154		
					19.5		153.5		
					20		153		
					20.5		152.5		
					21		152		
					21.5		151.5		
					22		151		
					22.5		150.5		
					23		150		
					23.5		149.5		
					24		149		
					24.5		148.5		
					25		148		
					25.5		147.5		
					26		147		
					26.5		146.5		
					27		146		

CH2M HILL CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 01460							
SUBSURFACE LOG		HOLE NUMBER B-780							
PROJECT NUMBER: 3573.07.01	May 1995	DRILL FLUID: Water	DRILLING METHOD: F.J.C.						
LOCATION: Station 16+966.4 Offset: 1.3m LT		DATE: 5/2/95	TIME: 13:00						
CLIENT: VDOT		WATER DEPTH: 2.9m	CASING BOTTOM: 16.7m						
CONTRACTOR: Atlantic Testing		WATER LEVEL OBSERVATIONS DURING DRILLING	NO. OF SAMPLES: 17.3m						
DRILLER: M.J.L.	INSPECTOR: H.Simpson	DATE: 5/2/95	TIME: 18:00						
START DATE: 5/11/95	FINISH DATE: 5/15/95	WATER DEPTH: 0.3m	CASING BOTTOM: 17.3m						
SURFACE ELEV.: 172.33m	CHECKED BY: WAH	DATE: 5/2/95	TIME: 18:00						
		WATER DEPTH: 0.3m	CASING BOTTOM: 23.3m						
S1	.6m	1.5m	WH-WH-1	0		f. SAND, little silt, trace roots, brown, v. loose, moist (A-1-b)	172		
S2	.6m	0.3m	H	2		f. SAND, trace silt, gray, v. loose, moist	171.5		
S3	.6m	0.6m	2-1-1	2	1.5	f.m.c. SAND, trace silt, trace f. gravel, brown, v. loose, wet (A-1-b)	171		Laboratory AASHTO classification performed on S3.
S4	.6m	0.6m	2-6-7-10	13	2	Similar soils (A-1-b)	170.5		
S5	.6m	0.2m	10-14-6-7	20	2.5	f. GRAVEL and c. SAND, some m. sand, little silt, brown, m. dense, wet (A-1-b)	170		
S6	.6m	0.2m	4-7-4-7	11	3	f.c. GRAVEL, some m. sand, little silt, brown, m. dense, wet (A-1-b)	169.5		
S7	.6m	0.4m	WH-3-4-4	7	3.5	Similar soils (A-1-b)	169		
S8	.6m	0.4m	2-5-7-6	12	4	f. SAND, some silt, gray, loose, wet (A-2-4)	168.5		
S9	.6m	0.3m	see remarks		4.5		168		
S10	.6m	0.6m	4-4-7-9	11	5	f. SAND, little silt, gray, m. dense, wet (A-2-4)	167.5		
S11	.6m	0.5m	5-3-4-5	7	5.5	SILT and f. SAND, gray, m. stiff, wet (A-4)	167		
S12	.6m	0.6m	6-4-4-6	8	6	Similar soils (A-4)	166.5		
S13	.6m	0.4m	12-11-12-15	29	6.5	f. GRAVEL, some c. sand, some silt, trace c. gravel, gray, dense, wet (A-2-4)	166		
S14	.6m	0.4m	7-8-9-13	17	7	f. GRAVEL, little c. sand, little silt, gray, m. dense, wet (A-2-4)	165.5		
S15	.6m	0.4m	22-8-10-9	18	7.5	f. SAND and SILT, trace f. gravel, gray, m. dense, wet (A-4)	165		
S16	.6m	0.2m	11-10-11-13	21	8	f. GRAVEL, some m. sand, little silt, gray, m. dense, wet (A-1-b) (TILL)	164.5		106 kg (300 lb) hammer used to obtain sample S8. Blow counts using 106 kg hammer were: WH-4-2.
S17	.6m	0.4m	13-12-16-11	27	8.5	f.c. SAND, trace c. gravel, trace silt, gray, dense, wet (A-1-b) (TILL)	164		
S18	.6m	0.4m	19-14-16-24	30	9	f.m.c. SAND, some silt, little f.c. gravel, brown, dense, wet (A-1-b) (TILL)	163.5		
S19	.3m	0.2m	68-103/5m	R	9.5	c. GRAVEL, little m. sand, little f. gravel, little silt, gray, v. dense, wet (A-1-b) (TILL)	163		
R1	1.5m	1.5m			10	DOLOSTONE, some quartz veining, gray, m. hard, moderate weathering, thick bedding, close fracture spacing, poor ROD.	162.5		estimated pile tip elevation 163.0m
R2	1.5m	1.4m			10.5	Similar bedrock, poor ROD.	162		
R3	1.5m	1.4m			11	becomes slightly weathered, v. poor ROD	161.5		

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BR700
Highway No.	VT. RTE. 9	Log Sta.	
		Surv. Sta.	16+800
<b>VT. RTE. 9 OVER SILK ROAD AND WALLOOMSAC RIVER</b>			
<b>SOIL BORING LOGS - 7</b>			
Designed By	W. HARRIS	Drawn by	M. CUEVAS/B. WEATHREBY
Checked By	M. QUINN	Date	6/00
		Bridge Design Supervisor	M.W. OLSTAD
		Date	9/00
PROJECT	BENNINGTON-HOOSICK		PROJECT NO. D.P.J. 01460) C/4
I.G.C. info.			
Bridge Sheet No.		BR712	Sheet 195 OF 385



3573.07/BR700/ B-1,700-1,026 / 6.199.887/800