

CH&A CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146(1)				
PROJECT NUMBER: 96J42		SUBSURFACE LOG				
March 1996		HOLE NUMBER B-468				
LOCATION: Station 5+88.5 Offset: 6m R		Page 1 of 1				
CLIENT: VDOT		DRILL FLUID: Water				
CONTRACTOR: Northeast Diamond Drilling		DRILLING METHOD: F.J.C.				
DRILLER: Chris		WATER LEVEL OBSERVATIONS DURING DRILLING				
START DATE: 3/1/96		DATE				
FINISH DATE: 3/12/96		TIME				
SURFACE ELEV.: 24.27m		WATER DEPTH				
CHECKED BY: W. Harris		CASING BOTTOM				
		HOLE BOTTOM				
SAMP. NO.	DEPTH (m)	RECOVERY	DESCRIPTION AND CLASSIFICATION	ELEVATION (m)	REMARKS ON CHARACTER OF DRILLING, WATER RETURN, ETC.	WATER LEVELS AND/OR WELL DATA
S1	.37m	7-3-3-10	SILT - Some f. sand, f. fine m. sand, brown, m. stiff, moist (A-EXTEL)	24		
S2	.43m	6-5-6-5	becomes stiff (A-EXTEL)	23.5	B.O.F. elevation 23.5m	
S3	.46m	5-4-5-4	Silty CLAY - Some f.m.c. sand, trace f. gravel, brown, stiff, wet (A-EXTEL)	23	Laboratory AASHTO classification performed on S3. LL=27, PL=16, PH=8	
S4	.43m	5-7-5-5	Similar soils (A-EXTEL)	22.5		
S5	.40m	7-7-10-99	becomes v. stiff (A-EXTEL)	22		
S6	.24m	36-7-30-26	SILT - Some f.m.c. sand, f. fine f. gravel, brown, hard, moist (A-EXTEL)	21	cobbles	
S7	.43m	15-2-29-33	Clayey SILT - f. fine m.c. sand, brown, hard, moist (A-EXTEL)	20.5	casing refusal	
S8	.25m	23-43-44-20	Silty CLAY - f. fine f.m.c. sand, f. fine f.c. gravel, brown, very hard, moist (A-EXTEL)	20		
S9	.55m	23-62-51-77	Similar soils (A-EXTEL)	20.5	Laboratory AASHTO classification performed on S9. LL=29, PL=16, PH=8	
S10	.5m	25-37-55-75	Similar soils (A-EXTEL)	20		
S11	.49m	22-57-78-97	Similar soils (A-EXTEL)	20.5		
S12	.5m	23-46-43-99	Similar soils (A-EXTEL)	20		
S13	.5m	26-4-53-8	Silty CLAY - varved, dark gray, very hard, moist (A-EXTEL)	20.5		
S14	.5m	25-8-60-20	Silty CLAY - varved with silt, dark gray, very hard, moist (A-EXTEL)	20		
S15	.03m	100/12	f.c. GRAVEL - f. fine silt, gray, very dense, wet (A-1-b)	19.5	cobbles	
S16	.03m	100/29	Grades with trace silt and f.m.c. sand (A-1-b)	19		
S17	.03m	100/03m	Similar soils (A-1-b)	18.5		
S18	.06m	100/6	No Recovery	18		
S19	.02m	100/02m	f.c. SAND - Some silt, f. fine f.c. gravel, brown, very dense, wet (A-2-0)	17.5		

BOT. FTG. EL. 213.50

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PROJECT NUMBER: 96J42		SUBSURFACE LOG				
March 1996		HOLE NUMBER B-470				
LOCATION: Station 5+90.5 Offset: 6m Lt		Page 1 of 1				
CLIENT: VDOT		DRILL FLUID: Water				
CONTRACTOR: NE Diamond Drilling		DRILLING METHOD: F.J.C.				
DRILLER: T.M.		WATER LEVEL OBSERVATIONS DURING DRILLING				
START DATE: 2/28/96		DATE				
FINISH DATE: 3/1/96		TIME				
SURFACE ELEV.: 22.99m		WATER DEPTH				
CHECKED BY: W. Harris		CASING BOTTOM				
		HOLE BOTTOM				
SAMP. NO.	DEPTH (m)	RECOVERY	DESCRIPTION AND CLASSIFICATION	ELEVATION (m)	REMARKS ON CHARACTER OF DRILLING, WATER RETURN, ETC.	WATER LEVELS AND/OR WELL DATA
S1	.40m	1-2-3-2	Clayey SILT - Some f.m. sand, brown, medium stiff, frozen (A-EXTEL)	23		B.O.F. elevation 23.5m
S2	.49m	2-3-3-4	Clayey SILT - f. fine f.m.c. sand, brown, medium stiff, moist (A-EXTEL)	22.5		
S3	.34m	3-3-4-5	Similar soils (A-EXTEL)	22		
S4	.30m	6-5-4-7	becomes stiff (A-EXTEL)	21.5		
S5	.40m	5-8-13-20	becomes very stiff (A-EXTEL)	21		
S6	.34m	18-2-26-40	becomes hard (A-EXTEL)	20.5		
S7	.30m	22-30-8-62	Silty CLAY - f. fine f.m.c. sand, trace c. gravel, gray, very hard, moist (A-EXTEL)	20	casing refusal	
S8	.6m	9-20-24-28	becomes hard (A-EXTEL)	20.5		
S9	.58m	1-6-23-28	Similar soils (A-EXTEL)	20		
S10	.6m	7-8-29-8	Similar soils (A-EXTEL)	20.5		
S11	.6m	20-30-42-56	Grades to trace f.c. gravel, becomes v. hard (A-EXTEL)	20		
S12	.6m	25-43-54-72	Similar soils (A-EXTEL)	20.5		
S13	.6m	20-26-53-59	Similar soils (A-EXTEL)	20		
S14	.55m	34-60-94-106	Similar soils (A-EXTEL)	20.5		
S15	.6m	22-4-59-20	Clayey SILT - trace f.m.c. sand, brown-gray, v. hard, moist (A-EXTEL)	20		
S16	.6m	30-46-53-71	Similar soils (A-EXTEL)	20.5		
S17	.06m	50/06m	No Recovery	19.5		
S18	.06m	15-100/6m	f.c. SAND and GRAVEL - brown, v. dense, wet (A-1-b)	19		

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**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BR600
Highway No.	VT. RTE. 9	Log Sta.	
VT. RTE. 9 OVER AUSTIN HILL ROAD			
SOIL BORING LOGS			
Designed By	W. HARRIS	Drawn by	M. QUINN/B. WEATHERBY
Checked By	M. QUINN	Bridge Design Supervisor	M. OLSTAD
PROJECT	BENNINGTON-HOOSICK	Date	11/01
PROJECT NO.		D.P.J. 0146(1)	
I.G.C. Info.			
Bridge Sheet No. BR606		Sheet 268 OF 473	