



CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146(1)			
SUBSURFACE LOG		HOLE NUMBER B-680			
PROJECT NUMBER: 3573.07.01	DATE: MAY 1995	DRILL FLUID: WATER	DRILLING METHOD: OJOM FJC		
LOCATION: Station 16+965.0	OFFSET: 24.4m r f	DATE: 5-23-95	TIME: 1900		
CLIENT: VAOT	CONTRACTOR: ATLANTIC TESTING	WATER LEVEL OBSERVATIONS DURING DRILLING	DATE: 5-26-95		
DRILLER: M. H.	INSPECTOR: S. P. IDDEON	START DATE: 5/25/95	FINISH DATE: 5/26/95		
SURFACE ELEV.: 171.0m	CHECKED BY: CAR	DATE: 5-26-95	TIME: 1000		
SAMP. NO.	DEPTH (M)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	0.6m	f.c. GRAVEL, some m.c. sand, trace f. sand, trace silt, brown, dense, wet (A-1-a)	170.5		
S2	1.6m	f.c. GRAVEL and f.c. SAND, trace silt, brown, medium dense, wet (A-1-a)	170		
S3	1.6m	grades to some m.c. sand, trace f. sand, trace silt, brown, medium dense, wet (A-1-a)	169.5		
S4	1.6m	becomes loose (A-1-a)	169		
S5	1.6m	m.c. SAND, trace f. sand, brown, loose, wet (A-1-a)	168.5		
S6	1.6m	SILT and f.c. SAND, gray, medium stiff, wet (A-4)	168	Laboratory AASHTO Classification Performed on S6.	
S7	1.6m	becomes stiff (A-4)	167.5		
S8	1.6m	f. SAND, trace silt, gray, medium dense, wet (A-3)	167		
S9	1.6m	f. SAND, little silt, gray, loose, wet (A-2-4)	166.5		
S10	1.6m	Same as above (A-2-4)	166		
S11	1.6m	f. SAND and SILT, gray, loose, wet (A-4)	165.5		
S12	1.6m	f.c. SAND, little silt, trace f.c. gravel, gray, medium dense, wet (A-1-b)	165		
S13	1.6m	f.c. SAND and f.c. GRAVEL, little silt, gray, dense, wet (A-1-b)	164.5		
S14	1.6m	f.c. SAND, little f. gravel, trace silt, gray, dense, wet (A-1-b)	164	Laboratory AASHTO Classification Performed on S4.	
S15	1.6m	grades with little silt, trace f. gravel, becomes very dense, (A-1-b)	163.5		
S16	1.6m	grades with some f.c. gravel, trace silt (A-1-b)	163		
R1	1.52m	SHALE, gray/black, soft, slight weathering, thin bedding, close fracturing, very poor RQD	162.5		
R2	1.2m	QUARTZITE and DOLOSTONE, interbedded, some quartz and calcite veining, gray, hard, slight to moderate weathering, medium bedding, very close fracturing, v. poor RQD from 2.09m to 2.34m Clay filled fracture	162		
		DOLOSTONE, little quartz and calcite veining, gray, hard, moderate weathering, thick bedding, very close fracturing, v. poor RQD	161.5		
		Bottom of Boring at 22.56 meters.	148.5		

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SUBSURFACE LOG		HOLE NUMBER B-690			
PROJECT NUMBER: 3573.07.01	DATE: MAY 1995	DRILL FLUID: WATER	DRILLING METHOD: OJOM FJC		
LOCATION: Station C10+057.9	OFFSET: 25.7m r f	DATE: 5-23-95	TIME: 1900		
CLIENT: VAOT	CONTRACTOR: ATLANTIC TESTING	WATER LEVEL OBSERVATIONS DURING DRILLING	DATE: 5-26-95		
DRILLER: M. H.	INSPECTOR: H. SIMPSON	START DATE: 5/25/95	FINISH DATE: 5/26/95		
SURFACE ELEV.: 173.7m	CHECKED BY: CAR	DATE: 5-26-95	TIME: 1000		
SAMP. NO.	DEPTH (M)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	0.6m	SILT, trace f. sand, trace roots, brown, medium stiff, moist (A-4)	173.5		
S2	0.6m	SILT, little f. sand, brown medium stiff, moist (A-4)	173		
S3	0.6m	f.c. SAND, little f.c. gravel, trace silt, brown, dense, moist (A-1-b)	172.5		
S4	0.6m	grades with some f.c. gravel, trace silt, becomes moist/wet (A-1-b)	172		
S5	0.6m	grades with little f.c. gravel, little silt, becomes wet (A-1-b)	171.5		
S6	0.6m	clayey SILT, brown/gray, stiff, wet (A-4)	171		
S7	0.6m	becomes gray (A-4)	170.5		
S8	0.6m	Same as Above (A-4)	170		
S9	0.6m	SILT, some f. sand, gray, medium stiff, wet (A-4)	169.5		
S10	0.6m	clayey SILT, some f. sand, layered with silt and clay, gray, medium stiff, wet (A-4)	169	Laboratory AASHTO Classification Performed on S9. Non Plastic.	
S11	0.6m	f. SAND, little silt, gray, loose, wet (A-2-4)	168.5		
S12	0.6m	becomes medium dense (A-2-4)	168		
S13	0.6m	grades with some silt (A-2-4)	167.5		
S14	0.6m	m. SAND, little silt, trace f. gravel, gray, loose, wet (A-1-b)	167		
S15	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	166.5		
S16	0.6m	becomes medium dense (A-2-4)	166		
S17	0.6m	m. SAND, little silt, gray, very loose, wet (A-1-b)	165.5		
S18	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	165		
S19	0.6m	becomes medium dense (A-2-4)	164.5		
S20	0.6m	m. SAND, little silt, gray, very loose, wet (A-1-b)	164		
S21	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	163.5		
S22	0.6m	becomes medium dense (A-2-4)	163		
S23	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	162.5		
S24	0.6m	becomes medium dense (A-2-4)	162		
S25	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	161.5		
S26	0.6m	becomes medium dense (A-2-4)	161		
S27	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	160.5		
S28	0.6m	becomes medium dense (A-2-4)	160		
S29	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	159.5		
S30	0.6m	becomes medium dense (A-2-4)	159		
S31	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	158.5		
S32	0.6m	becomes medium dense (A-2-4)	158		
S33	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	157.5		
S34	0.6m	becomes medium dense (A-2-4)	157		
S35	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	156.5		
S36	0.6m	becomes medium dense (A-2-4)	156		
S37	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	155.5		
S38	0.6m	becomes medium dense (A-2-4)	155		
S39	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	154.5		
S40	0.6m	becomes medium dense (A-2-4)	154		
S41	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	153.5		
S42	0.6m	becomes medium dense (A-2-4)	153		
S43	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	152.5		
S44	0.6m	becomes medium dense (A-2-4)	152		
S45	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	151.5		
S46	0.6m	becomes medium dense (A-2-4)	151		
S47	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	150.5		
S48	0.6m	becomes medium dense (A-2-4)	150		
S49	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	149.5		
S50	0.6m	becomes medium dense (A-2-4)	149		
S51	0.6m	f. GRAVEL and f.c. SAND, some SILT, trace c. gravel, gray, dense, wet (A-2-4)	148.5		
S52	0.6m	becomes medium dense (A-2-4)	148		

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LOCATION: Station C10+057.9	OFFSET: 25.7m r f	DATE: 5-23-95	TIME: 1900		
CLIENT: VAOT	CONTRACTOR: ATLANTIC TESTING	WATER LEVEL OBSERVATIONS DURING DRILLING	DATE: 5-26-95		
DRILLER: M. H.	INSPECTOR: H. SIMPSON	START DATE: 5/25/95	FINISH DATE: 5/26/95		
SURFACE ELEV.: 173.7m	CHECKED BY: CAR	DATE: 5-26-95	TIME: 1000		
SAMP. NO.	DEPTH (M)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S19	0.6m	becomes M. DENSE (A-2-4)	151.5		
S20	0.6m	f. SAND, some SILT, trace f.c. gravel, gray, loose, wet (A-2-4)	150.5		
S21	0.6m	f.c. SAND, some SILT, some f. gravel, little c. gravel, gray, loose, wet (A-2-4)	150		
S22	0.6m	grades to some clayey SILT, some f. gravel, trace c. gravel, becomes medium dense (A-2-4)	149.5		
S23	0.6m	SILT, some f.c. sand, little f. gravel, trace c. gravel, gray, very stiff, wet (A-4)(ILL)	149		
S24	0.6m	from 30.48m to 30.93m BOULDER	148.5		
R1	1.52m	from 30.93m to 31.85m c. GRAVEL	148		
R2	0.9m	DOLOSTONE, some quartz veining, medium hard, slight weathering, thick bedding, medium fracturing, poor RQD	147.5		
		Bottom of Boring at 32.92 meters.	147		

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	BR700
Highway No.	VT. RTE. 9	Log Sta.	
VT. RTE. 9 OVER SILK ROAD AND WALLOOMSAC RIVER		Surv. Sta.	16+800
SOIL BORING LOGS - 3			
Designed By	W. HARRIS	Drawn by	M. CUEVAS/B. WEATHERBY
Checked By	M. QUINN	Bridge Design Supervisor	M. OLSTAD
PROJECT	BENNINGTON-HOOSICK	Date	6/00
		Date	9/00
PROJECT NO.	D.P.J. 0146(1) C/4		

