

ABUTMENT NO. 1

PROJECT: VHB/LIMEKLN BRIDGE/VT PROJECT LOCATION: S.BURLINGTON/COLCHESTER, VT STATION: 10+301 PROJECT NUMBER: 993-6856 BORING TIME: 0913-03/08/02 to 0959-03/08/02 OFFSET: 4 Meters East ELEVATION: 78.10											
DEPTH SCALE METERS	BORING METHOD	CORE DESCRIPTION	GRAPHIC LOG	ELEV. (ft)	RUN #	CORING RATE MIN. / FT	RUN TIME START / STOP	WATER USAGE	# FLUSH RET.	RUN INFORMATION	
										FROM	TO
0				78.10						29.75	60' J, SM
0.5				77.60	4					29.80	60' J, ST, SM
1.0				77.10						29.90	15' J
1.5				76.60						30.00	~90' MF, ST
2.0				76.10						30-21	~15' J, Fe, S
2.5				75.60						30-21	Many mechanical fractures
3.0				75.10						31.1	15' J
3.5				74.60						31-21.25	~15' J
4.0				74.10						31.25	15' J/Possible MF
4.5				73.60						31.3	~15' J
5.0				73.10						31.3	~15' J
5.5				72.60						42.3	20' J, Fe
6.0				72.10						42.7	50' J
6.5				71.60						43.2	80' MF
7.0				71.10						43.7	80' MF

DISCONTINUITIES

DRILL RIG: MOBILE B-53
DRILLING CONTRACTOR: Con-Tec Inc.
DRILLER: J. STANTON

TOTAL LENGTH CORED: 5'
BITS USED: 1

LOGGED: M. Zarenski
CHECKED: psc
DATE: 05/24/02

ABUT. NO. 1 BOTTOM FOOTING
EL. 76.75 (METERS)

ESTIMATED PILE TIP
EL. 68.64 (METERS)

PROJECT: VHB/LIMEKLN BRIDGE/VT PROJECT LOCATION: S.BURLINGTON/COLCHESTER VT STATION: 10+318 PROJECT NUMBER: 993-6856 BORING TIME: 0826-03/07/02 to 1100-03/07/02 OFFSET: 3 Meters West ELEVATION: 77.80											
DEPTH SCALE METERS	BORING METHOD	SOIL PROFILE	GRAPHIC LOG	ELEV. (ft)	NUMBER	TYPE	BLOWS / 6 INCHES	N	REC. VIT.	SAMPLE DESCRIPTIONS AND BORING NOTES	
										FROM	TO
0		0.0-4.73 Loose to dense crushed limestone/marble. (FILL)		77.80	1	DO	8-7-15-10	22	0.4/2.0	0'-0.3' Compact brown SILT, some organics. Frozen.	
0.5		Fragments with kiln waste comprising slaked limestone (calcium carbonate)		77.30	2	DO	12-11-8-8	20	0.2/2.0	0.3'-2' Poor recovery-limestone/marble sand-gravel sized.	
1.0		Characterized by poor recovery and apparent voids in subsurface material.		76.80	3	DO	6-7-7-6	14	0.2/2.0	2'-4' Poor recovery-crushed limestone/marble sand-gravel sized. Matrix material appears to be slaker waste (calcium carbonate)	
1.5				76.30	4	DO	3-4-4-3	8	0.2/2.0	4'-6' Poor recovery crushed limestone. Matrix material appears to be slaker waste.	
2.0				75.80	NA	NA	NA	NA	NA	8'-10' No sample recovery.	
2.5				75.30	5	DO	17-35-23-22	58	1.2/2.0	15'-15.5' (Approx.) Dense, highly weathered crushed limestone (FILL)	
3.0		2 1/4" HSA TO 8" - 4" HW TO 23" - 1/2" CORE TO 28"		74.80	6	DO	11-8-10-14	18	1.4/2.0	15.5'-17' (Approx.) Dense brown fine SAND little silt.	
3.5				74.30						20'-22' Compact brown very fine SAND, little silt.	
4.0				73.80						23' BEDROCK see corehole log for continuation.	

DRILL RIG: MOBILE B-53
DRILLING CONTRACTOR: Con-Tec Inc.
DRILLER: J. STANTON

WEIGHT OF HAMMER: 140 lbs
DROP: 30 inches

LOGGED: M. Zarenski
CHECKED: psc
DATE: 05/24/02

METRIC METRIC ENGLISH ENGLISH ENGLISH

PROJECT: VHB/LIMEKLN BRIDGE/VT PROJECT LOCATION: S.BURLINGTON/COLCHESTER VT STATION: 10+318 PROJECT NUMBER: 993-6856 BORING TIME: 1016-03/07/02 to 1100-03/07/02 OFFSET: 3 Meters West ELEVATION: 77.80											
DEPTH SCALE METERS	BORING METHOD	CORE DESCRIPTION	GRAPHIC LOG	ELEV. (ft)	RUN #	CORING RATE MIN. / FT	RUN TIME START / STOP	WATER USAGE	# FLUSH RET.	RUN INFORMATION	
										FROM	TO
0				77.80						23.3	~80' MF
0.5				77.30						23.34	70' J
1.0				76.80						23.75	~80' J/MF
1.5				76.30						23.9	15' J, Fe, SM
2.0				75.80						24.3	~80' MF
2.5				75.30						24.25	80' J
3.0				74.80						25.0	Caseless (Fracture zone)
3.5				74.30						25.5	85' J, Fe
4.0				73.80						25.75	40' J, ST
4.5				73.30						25.9	70' J
5.0				72.80						26.3	85' J
5.5				72.30						26.3	40' J
6.0				71.80						26.6	70' J
6.5				71.30						27.2	UE, MF
7.0				70.80						27.7	75' J
7.5				70.30						27.8	15' J, SM

DRILL RIG: MOBILE B-53
DRILLING CONTRACTOR: Con-Tec Inc.
DRILLER: J. STANTON

TOTAL LENGTH CORED: 5'
BITS USED: 1

LOGGED: M. Zarenski
CHECKED: psc
DATE: 05/24/02

METRIC METRIC ENGLISH ENGLISH ENGLISH

NOTE:
THE SUBSURFACE EXPLORATIONS SHOWN ON THIS SHEET USE BOTH METRIC AND ENGLISH UNITS AS LABELED ABOVE AS RECORDED BY GOLDER ASSOCIATES IN 2002.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of COLCHESTER-SOUTH BURLINGTON	Bridge No. 6
Highway No. TH 4/3	Log Sta. Surv. Sta.
TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.	
BORING LOGS (6 OF 9)	
Designed By GOLDER	Drawn By K.D. WENTWORTH
Checked By M.A. COLGAN	Date 4/05
Bridge Design Supervisor S.M. GUNN Date 4/05	
PROJECT COLCHESTER-SOUTH BURLINGTON	PROJECT NO. BRM 5600 (6) S C/2
I.G.C. Info.	
Bridge Sheet No. ZD139LG6	Sheet 42 of 124

VHB Vanasse Hangen Brustlin, Inc.
VHB NO. 50735 plot date: 4/18/2005

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)