

Johnson BRP 030-2(17)s  
BORING NO. B-2

DEPTH	LOG CASE NO.	STANDARD PENETRATION TEST NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
ELEV. 487.10'					
	3		M BRN		A-4 SiSa W=46.1 Rec 0.1
	5		MTWBRN		A-1-b GrSa W=17.5 Rec 0.4
	31		W BRN		A-1-a SaGr W=11.3 Rec 0.8
	28		W BRN		A-1-a SaGr W=12.8 Rec 0.7
	13				No Rec
10	24		MTWBRN		A-1-b SaGr W=13.3 Rec 0.8
	10		MTWBRN		A-2-4 Sa W=24.1 Rec 1.1
ELEV. 472.00					
Abut. #1	11		W GRY		A-4 SaSi W=32.1 Rec 1.5
Bottom of footing	9		W GRY		A-4 Si W=24.0 Rec 1.2
	17		W GRY		A-4 Si W=24.8 Rec 1.0
20	36		MTWGRY		A-4 GrSi W=17.5 Rec 0.2
	40				A-4 GrSi W=21.3 Rec 0.6
	52				No Rec
30	48		M GRY		A-4 Si W=25.5 Rec 1.1
	17		W GRY		A-4 Si W=27.8 Rec 1.4
Pile Tip	R		MTWGRY		A-1-b SaGr W=7.4 Rec 0.7
					Top of bedrock @40.9
					Run 1: BXDC 40.5-43.5 Rec 2.0
					Run 2: BXMDC 43.5-48.5 Rec 4.5
					Run 3: BXMDC 48.5-51.5 Rec 0.9
					Hole stopped @ 51.5 in bedrock.
					Core consists of black, moderately soft, quartz- sericite phyllite and schist. The rock is unweathered and competent.
					RUN REC RQD 1 67% 0 2 90% 56% 3 30% 15%
60					
70					
80					
90					
100					

Johnson BRP 030-2(17)s  
BORING NO. B-6

DEPTH	LOG CASE NO.	STANDARD PENETRATION TEST NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
ELEV. 496.51					
	9		M BRN		A-1-b GrSa W=12.2 Rec 1.1
10	12		MTWBRN		A-1-b GrSa W=11.7 Rec 1.0
	4				No Rec
20					Wood Cribbing 18.5-19.0'
					Concrete 19.0-22.5'
ELEV. 472.00					
Abut. #1	51		MTWGRY		A-4 SaGrSi W=17.8 Rec 0.7
Bottom of footing					
30	28		M GRY		A-4 Si W=26.8 Rec 1.0
	26		M GRY		A-4 Si W=25.5 Rec 1.1
40	30		MTWGRY		A-2-4 SiSa W=26.7 Rec 1.1
	19		MTWGRY		A-4 Si W=31.7 Rec 1.2
Pile Tip	R		W GRY		A-1-a SaGr W=12.9 Rec 0.6
					Top of bedrock @51.0 Broken soft ledge 51-52'
					Run 1: BXMDC 52.0-57.0 Rec 5.0
					Run 2: BXMDC 57.0-62.0 Rec 4.9'
					See Geologist Report
					Hole stopped @ 62.0' in bedrock
					RUN REC RQD 1 100% 84% 2 98% 90%
					Core consist of black, moderately soft, quartz- sericite phyllite and schist. The rock is unweathered and competent overall.
60					
70					
80					
90					
100					

Johnson BRP 030-2(17)s  
BORING NO. B-3

DEPTH	LOG CASE NO.	STANDARD PENETRATION TEST NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
ELEV. 494.65'					
					Ground level @ 2.0 Elevation 494.65
					No Rec
10	16		MTWBRN		A-1-b SaGr W=11.6
	R		MTWBRN		A-3 Sa W=24.0
					Woodcribbing 15.5-18 Stone & Gravel
20					
ELEV. 471.00					
Abut. #2	14		MTWBRN		A-4 Si W=28.8 Rec 0.6
Bottom of footing					
30	40		M GRY		A-4 SaSi W=24.9 Rec 1.1
	16		W GRY		A-2-4 SiSa W=22.6 Rec 1.1
40	18		W GRY		A-4 GrSi W=31.0 Rec 1.1
	32		W GRY		A-4 SaSi W=24.9 Rec 1.5
50	R				No Rec
Pile Tip	R				Top bedrock @ 56.0
					Run 1: BXMDC 56.0-60.0 Rec 3.3
					Run 2: BXMDC 60.0-65.0 Rec 3.7
					See geologist report
					Hole stopped @ 65.0' in bedrock
					RUN REC RQD 1 83% 20% 2 74% 40%
					Core consists of black, moderately soft, quartz- sericite phyllite and schist. The rock is unweathered and competent overall.
60					
70					
80					
90					
100					

Johnson BRP 030-2(17)s  
BORING NO. B-12

DEPTH	LOG CASE NO.	STANDARD PENETRATION TEST NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
ELEV. 495.05'					
	14		M BRN		A-2-4 SiGrSa W=22.9 Rec 1.1
	11		W BRN		A-2-4 SiSaGr W=21.1 Rec 0.5
	8		W BRN		A-1-a SaGr W=12.1 Rec 0.1
	10		M GRY		A-1-a Gr W=3.5 Rec 0.3
	6		MTWBRN		A-1-b SiSaGr W=15.7 Rec 0.3
10	4		MTWBRN		A-4 SaSi W=27.5 Rec 0.5
	2		W GRY		Silty Sand 100PPM Rec 0.8 VOC
	8		W GRY		Silty Sand w/stone Rec 0.7 10PPM VOC
	7		W GRY		A-4 Si 7PPM VOC
	12		W GRY		A-4 SaSi 3PPM VOC Rec 0.4 W=25.8
20	11		W GRY		A-4 Si W=31.8 Rec 0.7
	12		W GRY		A-4 Si W=35.5 Rec 1.2
ELEV. 471.00					
Abut. #2	15		W GRY		A-4 Si W=31.3 Rec 1.2
Bottom of footing					
30	19		W GRY		A-4 Si W=26.7 Rec 1.2
	31		W GRY		A-4 Si 2PPM VOC Rec 1.0 W=22.2
40	25		MTWGRY		A-2-4 SiSa W=17.3 Rec 1.0
	18		W GRY		A-4 SaSi 0 PPM VOC Rec 1.4 W=26.1
50	15		W GRY		A-4 Si W=25.6 Rec 1.3
	19		W GRY		A-4 Si W=27.8 Rec 1.9
Pile Tip	25		W GRY		A-4 Si W=34.6 Rec 1.5
					Top of bedrock @63.5
					Run 1: BXMDC 64.0-69.0 Rec 3.6
					Run 2: BXMDC 69.0-74.0 Rec 3.9
					Hole stopped @ 74.0' in bedrock
					Core consists of black, moderately soft, quartz- sericite phyllite and schist. The rock is unweathered and competent.
					RUN REC RQD 1 72% 45% 2 78% 8%
60					
70					
80					
90					
100					

Estimated Pile Length  
Abutment no.1: 30 ft.  
Abutment no.2: 40 ft.

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

Town Of	JOHNSON	Bridge No.	37
Highway No.	Vt. Route 15	Log Sta.	
		Surv. Sta.	
Vt. Route 15 over the Gihon River			
BORING LOGS			
Designed By	EMS	Drawn By	ACF
Checked By	Date	Bridge Design Supervisor	J. BYATT
		Date	11/06
PROJECT	JOHNSON	PROJECT NO.	BRF 030-2(17)S
I.G.C. Info.			
Bridge Sheet No.		Sheet	50 Of 85

