Royalton BRS 0147(5)S
BORING NO. B-1

ELEV. 465.00
ABUT # 1
Bot. of Footing
ELEV. 462.04

18' ESTIMATED PILE PENETRATION

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		R		M	BRN	A-2-4 GrSa Rec. 0.4
10						Boulder
		44		MTW	BRN	A-1-b SaGr
						Top of bedrock @17.5 Run 1: BXMDC 17.5-22.5 Rec. 5.0 Run: 2 BXMDC 22.5-27.5 Rec. 5.0 See Geologist report
						Hole stopped @27.5 in bedrock Core consists of siliceous limestone. The rock is moderately hard, unweathered and competent. RUN REC RQD 1 100% 55% 2 100% 100%

Royalton BRS 0147(5)
BORING NO. B-3

ELEV. 466.22
ELEV. 465.00
ABUT #1
Bottom of Footing

21' ESTIMATE PILE PENETRATION

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		8		M	BRN	A-2-4 Sa W=25.3 Rec. 0.9
		5		MTW	BRN	A-2-4 Sa W=37.7 Rec. 1.2
		6		MTW	BRN	A-2-4 Sa W=33.6 Rec. 0.9
		11		W	BRN	A-1-b GrSa W=26.7 Rec. 0.7
		15				No Rec.
		24		W	BRN	A-1-b GrSa W=12.6 Rec. 0.6
		24		W	BRN	A-1-b GrSa W=13.5 Rec. 1.0
		66		W	BRN	A-1-b SaGr W=21.5 Rec. 1.2
		43		W	BRN	A-1-b SaGr W=10.8 Rec. 0.9
		39		W	BRN	A-4 SaSi W=20.2 Rec. 0.9
						Top of bedrock @22.3 Run 1: BXMDC 22.3-27.3 Rec. 5.0 Run 2: BXMDC 27.3-32.3 Rec. 5.0
						Hole stopped @32.3 in bedrock See Geologist Report Core consists of quartz - biotite phyllite with garnet porphyroblasts. The core is moderately hard, unweathered and competent. RUN REC RQD 1 100% 90% 2 100% 84%

Royalton BRS 0147(5)S
BORING NO. B-8

ELEV. 468.93
ELEV. 465.00
ABUT #2
Bottom of Footing

18' ESTIMATED PILE PENETRATION

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		4		MTW	BRN	A-4 SaSi W=44.3 Rec. 1.6
		8		MTW	BRN	A-4 SiSa W=31.6 Rec. 1.5
		23		W	BRN	A-1-b GrSa W=39.8 Rec. 0.8
						Top of bedrock @21.5 Run 1: BXMDC 21.5-26.5 Rec. 4.8 Run 2: BXMDC 26.5-31.5 Rec. 5.0 See Geologist report
						Hole stopped @ 31.5 in bedrock Core consists of interbedded quartz-biotite phyllite and siliceous limestone. The rock is moderately hard, unweathered and competent. RUN REC RQD 1 96% 48% 2 100% 84%

Royalton BRS 0147(5)S
BORING NO. B-11

ELEV. 473.72
ELEV. 465.00
ABUT #2
Bottom of Footing

24' ESTIMATED PILE PENETRATION

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		14				No Rec.
		26		MTW	BRN	Rec. 0.1 -Silt
		7		MTW	BRN	Rec. 0.2 Silt w/ sand.
		3		MTW	BRN	A-2-4 SiSa W=30.1 Rec. 0.8
		5		MTW	BRN	A-4 SaGrSi W=49.6 Rec. 0.7
		6		MTW	BRN	A-4 SaSi W=34.6 Rec. 1.0
		11				A-4 SiSa W=33.0
		4		W	BRN	A-2-4 SiSa W=32.0 Rec. 0.9
		32		W	BRN	A-2-4 SiGrSa W=25.5 Rec. 0.7
		23		W	BRN	A-4 SiSa W=25.1 Rec. 1.0
		18		W	BRN	A-4 SaSi W=26.4 Rec. 0.9
		12		W	BRN	A-4 SaSi W=31.1 Rec. 0.4
						Boulders 26.5-31.5
						Top of bedrock @32.0 Run 1: BXMDC 32.0-37.0 Rec. 5.0 Run 2: BXMDC 37.0-42.0 Rec. 5.0 See Geologist Report
						Hole stopped at 42' in bedrock. RUN REC RQD 1 100% 96% 2 100% 33% Core consists of quartz - biotite phyllite. The rock is moderately soft, unweathered and competent in a confined state. Run #2 intersects a 6 inch thick shear zone where rock is incompetent

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	ROYALTON	Bridge No.	21
		Log Sta.	
Highway No.	VT. Route 14	Surv. Sta.	

Vt. Route 14 over the First Branch of The White River

BORING LOGS

Designed By	EMS	Drawn By.	ACF
Checked By	Date	Bridge Design Supervisor	Date
PROJECT	ROYALTON	PROJECT NO.	BRS 0147(5) S
I.G.C. Info.			
Bridge Sheet No.		Sheet 39	Of 76

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