



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

PITTSFORD
BF 019-3(59)
US-7 BR-108

Boring No.: **B-101**
Page No.: 1 of 1
Pin No.: 13B266
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 6/05/15 Date Finished: 6/05/15
VTSPG NAD83: N 438150.27 ft E 1505219.66 ft
Station: 53+22 Offset: -38.60
Ground Elevation: 423.1 ft

Casing Type: WB Sampler: SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID C = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
06/05/15		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
		Visual Description: Appears to be a manufactured Aggregate, Lt/brn, Moist, Rec. = 0.3 ft				12-R@2.5"	2.2				
2.5		0.7 ft - 2.7 ft, Light gray, Massive DOLOMITIC MARBLE, with orange staining along joint surfaces. Hard, Very slightly weathered, Poor rock, NXMDC, RMR = 27	1 (-)	38 (0)	3 5					Top of Bedrock @ 0.7 ft	
5.0		2.7 ft - 5.7 ft, Light gray, Massive DOLOMITIC MARBLE, with orange staining along joint surfaces. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 41	2 (-)	42 (33)	5 3 6						
7.5		5.7 ft - 10.7 ft, Light gray, Massive DOLOMITIC MARBLE, with orange and brown staining along joint surfaces. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 61	3 (-)	100 (68)	4						
	5										
	5										
	4										
10.0					6						
		Hole stopped @ 10.7 ft									
12.5		Remarks: 1. Boring was performed through bridge deck. 2. Ground elevation represents the ground surface elevation. 3. Boring log begins at the ground surface. Top of Bridge Deck Data: 1. Asphalt Pavement 0.0'-0.3' 2. Concrete 0.3'-0.7' 3. Bottom of deck to ground surface = 15.6 ft.									
15.0											
17.5											

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 PITTSFORD BF 019-3(59).GPJ VERMONT AOT.GDT 6/30/15



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BORING LOG

PITTSFORD
BF 019-3(59)
US-7 BR-108

Boring No.: **B-102**
Page No.: 1 of 1
Pin No.: 13B266
Checked By: MLM

Boring Crew: JUDKINS, GARROW, HOOK
Date Started: 6/03/15 Date Finished: 6/03/15
VTSPG NAD83: N 438174.35 ft E 1505270.34 ft
Station: 53+07 Offset: 15.00
Ground Elevation: 420.2 ft

Casing: WB Sampler: CORE
Type: WB I.D.: 4 in
Hammer Wt: N.A. Hammer Fall: N.A.
Hammer/Rod Type: _____
Rig: CME 45C SKID C: 1.33

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 2.5		0.0 ft - 3.0 ft, Light gray, Massive DOLOMITIC MARBLE, Brown and orange staining along joint surfaces. Hard, Very slightly weathered, Poor rock, NXMDC, RMR = 33	1 (-)	52 (19)					
3.0 - 5.0		3.0 ft - 8.0 ft, Light gray, Massive DOLOMITIC MARBLE, Brown and orange staining along joint surfaces. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 33	2 (-)	96 (12)					
5.0 - 8.0		8.0 ft - 10.0 ft, Light gray, Massive DOLOMITIC MARBLE, Brown and orange staining along joint surfaces. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 43	3 (-)	40 (40)					
10.0 - 17.5	Hole stopped @ 10.0 ft								
Remarks: 1. Boring was performed through bridge deck. 2. Ground elevation represents the ground surface elevation. 3. Boring log begins at the ground surface. Top of Bridge Deck Data: 1. Asphalt Pavement 0.0'-0.15' 2. Sand 0.15'-0.50' 3. Concrete 0.50'-0.90' 4. Bottom of deck to ground surface = 17.4 ft.									

Notes:
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BF 019-3(59)
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Boring No.: **B-103**
Page No.: 1 of 1
Pin No.: 13B266
Checked By: MLM

Boring Crew: JUDKINS, HOOK, HULBERT
Date Started: 6/10/15 Date Finished: 6/10/15
VTSPG NAD83: N 438217.03 ft E 1505190.68 ft
Station: 53+90 Offset: -19.50
Ground Elevation: 425.3 ft

Casing Type: WB Sampler: SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID C_s = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		A-1-b, SiSaGr, Dk/brn, MTW, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				WH-5-7-3 (12)	12.1	51.0	26.7	22.3
2.5		A-2-4, SaSiGr, Dk/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				2-2-2-2 (4)	15.0	37.1	31.3	31.6
5.0		Visual Description:, Broken Rock with sand, gry, Moist, Rec. = 0.1 ft				R@6.0"	11.1			
5.0		4.5 ft - 9.5 ft, Light gray, Massive DOLOMITIC MARBLE, with brown staining along joint surfaces. Hard, Very slightly weathered, Fair rock, NXMDC, Vertical joint at 5.5'-7.2', RMR = 43	1 (-)	94 (30)	5	Top of Bedrock @ 4.5 ft				
7.5					4					
7.5					4					
10.0		9.5 ft - 14.5 ft, Light gray, Massive DOLOMITIC MARBLE, with brown and orange staining along joint surfaces. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 45	2 (-)	92 (43)	3					
12.5					9					
12.5					6					
12.5					5					
12.5					8					
15.0	Hole stopped @ 14.5 ft									
17.5	Remarks: 1. Boring was performed through bridge deck. 2. Ground elevation represents the ground surface elevation. 3. Boring log begins at the ground surface. Top of Bridge Deck Data: 1. Asphalt Pavement 0.0'-0.3' 2. Concrete 0.3'-0.9' 3. Bottom of deck to ground surface = 12.7 ft.									

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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 US-7 BR-108

Boring No.: **B-104**
 Page No.: 1 of 1
 Pin No.: 13B266
 Checked By: MLM

Boring Crew: JUDKINS, HOOK, HULBERT
 Date Started: 6/04/15 Date Finished: 6/04/15
 VTSPG NAD83: N 438231.26 ft E 1505222.53 ft
 Station: 53+83 Offset: 14.70
 Ground Elevation: 425.7 ft

Type: WB SS
 I.D.: 4 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C SKID C₁ = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		A-1-a, SaGr, brn-Lt/brn, Moist, Rec. = 0.8 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				5-8-3-4 (11)	6.6	60.7	26.2	13.1
		A-1-a, GrSa, Dk/brn, Moist, Rec. = 0.8 ft, NXDC, Cleaned out casing.				5-8-4-14 (12)	13.4	33.4	47.3	19.3
5.0		Field Note: No Recovery, NXDC, Cleaned out casing.				13-7-5-5 (12)				
7.5		A-1-b, SaGr, brn, MTW, Rec. = 0.9 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				21-22-28-R@5.0" (50) R@1.0"	11.5	61.8	21.1	17.1
8.1		Field Note: No Recovery 8.1 ft - 11.6 ft, Light gray, Massive DOLOMITIC MARBLE, Brown and orange staining along joints. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 48	1 (-)	66 (50)	6	Top of Bedrock @ 8.1 ft				
10.0					5					
12.5		11.6 ft - 13.1 ft, Light gray, Massive DOLOMITIC MARBLE, Orange staining on joints. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 43	2 (-)	24 (33)	2					
15.0		13.1 ft - 18.1 ft, Light gray, Massive DOLOMITIC MARBLE, Orange and brown staining on joints. Hard, Very slightly weathered, Fair rock, NXMDC, RMR = 43	3 (-)	100 (42)	5					
17.5					3					
20.0					3					
22.5					3					
Hole stopped @ 18.1 ft										
Remarks: 1. Boring was performed through bridge deck. 2. Ground elevation represents the ground surface elevation. 3. Boring log begins at the ground surface. Top of Bridge Deck Data: 1. Asphalt Pavement 0.0'-0.15' 2. Concrete 0.15'-0.85' 3. Bottom of deck to ground surface = 12.15 ft.										

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