

GREEN MOUNTAIN BORING  
PO Box 218 EastBarre, Vermont 05649 802 476-5073

TO: Dubols & King, Inc. ATTN: Brian Austin Route 66 Professional Center PO Box 339 Randolph, Vermont 05060	PROJECT NAME: Silver Street Bridge LOCATION: Hinesburg, Vermont GMB JOB #: 02071	SHEET: 1 DATE: 1/25/02 HOLE #: SB-1 LINE & STA. OFFSET:
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Ground Water Observations 15' at 0 hours	Augers-Size I.D. 2.5/8" Split Spoon 1.3/8" Hammer W t 1.40" Hammer Fall 30"	Surface Elevation Date Started 1/25/02 Date Completed 1/25/02 Boring Foreman: Michael McGintley Inspector: Soils Engineer:
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LOCATION OF BORING: As Mapped

Sample Depth From To (Feet)	Type of Sample	Blows per 6" on Sampler	Moisture Density or Consist	Strat Change Elev.	Soil Identification	Sample		
						No.	Per. Inches	Rec. Inches
5-7	Dry	6.6/3.4	Damp		Silty sand and stones	1	24	10
10-12	Dry	4.4/2.4	Damp		Silty sand and stones with a trace of clay	2	24	6
15-17	Dry	4.4/3.2	Wet		Silty gray clay	3	24	14
20-22	Dry	1.0/0.1	Wet		Silty gray clay	4	24	24
25-27	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	5	24	24
30-32	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	6	24	24
35-37	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	7	24	24
40-42	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	8	24	24
45-47	Dry	W RH / W RH / X / X	Wet		Silty gray clay	9	24	24
50-52	Dry	W RH / W RH / X / X	Wet		Silty gray clay	10	24	24

SUMMARY: HOLE #SB-1

Used 2.5/8" augers, then split spoon to 52'  
Ground Surface to 50'  
Earth Boring 52'  
Rock Coring  
Samples 10

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TO: Dubols & King, Inc. ATTN: Brian Austin Route 66 Professional Center PO Box 339 Randolph, Vermont 05060	PROJECT NAME: Silver Street Bridge LOCATION: Hinesburg, Vermont GMB JOB #: 02071	SHEET: 4 DATE: 1/27/02 HOLE #: SB-4 LINE & STA. OFFSET:
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Ground Water Observations 20' at 0 hours	Augers-Size I.D. 2.5/8" Split Spoon 1.3/8" Hammer W t 1.40" Hammer Fall 30"	Surface Elevation Date Started 1/27/02 Date Completed 1/27/02 Boring Foreman: Michael McGintley Inspector: Soils Engineer:
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LOCATION OF BORING: As Mapped

Sample Depth From To (Feet)	Type of Sample	Blows per 6" on Sampler	Moisture Density or Consist	Strat Change Elev.	Soil Identification	Sample		
						No.	Per. Inches	Rec. Inches
5-7	Dry	2.4/3.5			No recovery	1	24	
10-12	Dry	3.4/5.6	Damp		Silty brown clay with some organics and a trace of brick	2	24	10
15-17	Dry	1.2/1.2	Damp		Silty gray clay	3	24	24
20-22	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	4	24	24
30-32	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	5	24	24
40-42	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	6	24	24
50-52	Dry	W RH / 2.5/5	Wet		Silty gray clay	7	24	24
60-62	Dry	9.1/6.7/7	Wet		Silty gray clay, into silt with a trace of clay	8	24	24
70-72	Dry	2.2/3.4	Wet		Silty sand with a trace of clay	9	24	24
80-82	Dry	1.2/1.5/1.9	Wet		Silty sand with some small stones	10	24	24

SUMMARY: HOLE #SB-4

Used 2.5/8" augers, then split spoon to 82'  
Ground Surface to 80'  
Earth Boring 82'  
Rock Coring  
Samples 10

NOTE: THE BORINGS WERE PERFORMED USING ENGLISH UNITS. THEREFORE THE INFORMATION SHOWN ON THIS SHEET IS SHOWN IN ENGLISH UNITS.

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TO: Dubols & King, Inc. ATTN: Brian Austin Route 66 Professional Center PO Box 339 Randolph, Vermont 05060	PROJECT NAME: Silver Street Bridge LOCATION: Hinesburg, Vermont GMB JOB #: 02071	SHEET: 2 DATE: 1/25/02 HOLE #: SB-2 LINE & STA. OFFSET:
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Ground Water Observations 15' at 0 hours	Augers-Size I.D. 2.5/8" Split Spoon 1.3/8" Hammer W t 1.40" Hammer Fall 30"	Surface Elevation Date Started 1/25/02 Date Completed 1/25/02 Boring Foreman: Michael McGintley Inspector: Soils Engineer:
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LOCATION OF BORING: As Mapped

Sample Depth From To (Feet)	Type of Sample	Blows per 6" on Sampler	Moisture Density or Consist	Strat Change Elev.	Soil Identification	Sample		
						No.	Per. Inches	Rec. Inches
5-7	Dry	1.3/1.4/2.8	Dry		Silty sand and stones	1	24	12
10-12	Dry	2.4/4.4	Damp		Silty sand with some clay and a trace of organics	2	24	12
15-17	Dry	W RH / 1.2/2	Wet		Silty sand with some clay and a trace of organics	3	24	24
20-22	Dry	W RH / W RH / W RH / X	Wet		Silty gray clay	4	24	24
25-27	Dry	W RH / W RH / W RH / X	Wet		Silty gray clay	5	24	24
30-32	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	6	24	24
35-37	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	7	24	24
40-42	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	8	24	24
45-47	Dry	1.1/0.1	Wet		Silty gray clay	9	24	24
50-52	Dry	3.1/3.4			No recovery 1/2 split spoon	10	24	0

SUMMARY: HOLE #SB-2

Used 2.5/8" augers, then split spoon to 52'  
Ground Surface to 50'  
Earth Boring 52'  
Rock Coring  
Samples 10

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TO: Dubols & King, Inc. ATTN: Brian Austin Route 66 Professional Center PO Box 339 Randolph, Vermont 05060	PROJECT NAME: Silver Street Bridge LOCATION: Hinesburg, Vermont GMB JOB #: 02071-A	SHEET: 1 DATE: 1/14/03 HOLE #: B-2 LINE & STA. OFFSET:
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Ground Water Observations 15' at 0 hours	Augers-Size I.D. 2.5/8" Split Spoon 1.3/8" Hammer W t 1.40" Hammer Fall 30"	Surface Elevation Date Started 1/14/03 Date Completed 1/14/03 Boring Foreman: Michael McGintley Inspector: Soils Engineer:
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LOCATION OF BORING: As staked (same hole as previous boring)

Sample Depth From To (Feet)	Type of Sample	Blows per 6" on Sampler	Moisture Density or Consist	Strat Change Elev.	Soil Identification	Sample		
						No.	Per. Inches	Rec. Inches
5-7					Drilled to 60 feet before sampling			
60-62	Dry	4.1/4.5/1.7	Wet		Silty sand with some clay (approximately 6-8" of flowing sand)	1	24	24
65-67	Dry	1.1/1.5/1.5/1.8	Wet		Medium gray/brown sand	2	24	16
					Unable to sample due to flowing sand, so drilled to auger refusal at 83 feet			

SUMMARY: HOLE #B-2

Used 2.5/8" augers to 83'  
Earth Boring 83'  
Rock Coring  
Samples 2

B-2 IS A CONTINUATION OF SB-2.

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TO: Dubols & King, Inc. ATTN: Brian Austin Route 66 Professional Center PO Box 339 Randolph, Vermont 05060	PROJECT NAME: Silver Street Bridge LOCATION: Hinesburg, Vermont GMB JOB #: 02071	SHEET: 3 DATE: 1/26/02 HOLE #: SB-3 LINE & STA. OFFSET:
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Ground Water Observations 20' at 0 hours	Augers-Size I.D. 2.5/8" Split Spoon 1.3/8" Hammer W t 1.40" Hammer Fall 30"	Surface Elevation Date Started 1/26/02 Date Completed 1/26/02 Boring Foreman: Michael McGintley Inspector: Soils Engineer:
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LOCATION OF BORING: As Mapped

Sample Depth From To (Feet)	Type of Sample	Blows per 6" on Sampler	Moisture Density or Consist	Strat Change Elev.	Soil Identification	Sample		
						No.	Per. Inches	Rec. Inches
5-7	Dry	2.2/2.5	Damp		Silty sand with some small stones	1	24	12
10-12	Dry	2.1/2.5	Damp		Silty brown and gray clay	2	24	16
15-17	Dry	W RH / 1.2/1	Damp		Silty gray clay	3	24	24
20-22	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	4	24	24
30-32	Dry	Weight of Rod & Hammer	Wet		Silty gray clay	5	24	24
40-42	Dry	W RH / W RH / 2.2	Wet		Silty gray clay	6	24	24
50-52	Dry	Weight of Rod & Hammer	Wet		Silty gray clay with a silt lens	7	24	24
					Hits sandy gravel at 55'			
60-62'	Dry	5.7/8.1/2	Wet		Silty gray clay, into a medium/fine sand with stones	8	24	24

SUMMARY: HOLE #SB-3

Used 2.5/8" augers, then split spoon to 62'  
Ground Surface to 60'  
Earth Boring 62'  
Rock Coring  
Samples 8

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TO: Dubols & King, Inc. ATTN: Brian Austin Route 66 Professional Center PO Box 339 Randolph, Vermont 05060	PROJECT NAME: Silver Street Bridge LOCATION: Hinesburg, Vermont GMB JOB #: 02071-A	SHEET: 2 DATE: 2/20/03 HOLE #: B-4 LINE & STA. OFFSET:
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Ground Water Observations 15' at 0 hours	Augers-Size I.D. 2.5/8" Split Spoon 1.3/8" Hammer W t 1.40" Hammer Fall 30"	Surface Elevation Date Started 2/20/03 Date Completed 2/21/03 Boring Foreman: Michael McGintley Inspector: Soils Engineer:
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LOCATION OF BORING: As staked (same hole as previous boring)

Sample Depth From To (Feet)	Type of Sample	Blows per 6" on Sampler	Moisture Density or Consist	Strat Change Elev.	Soil Identification	Sample		
						No.	Per. Inches	Rec. Inches
5-7					Drilled to 60 feet and attempted to sample			
60-62	Dry	1.9/3.8/1.3	Very wet		No recovery, flowing sand, so drilled to refusal. Hit #1 at 78 feet Hit #2 at 85 feet Auger refusal at 93 feet	1	24	
					2.2/1.03			
					Roller rocked to refusal @ 93 feet Flowing sand plugged rods, so unable to core.			
					Materials used 4 bags of cold patch.			

SUMMARY: HOLE #B-4

Used 2.5/8" augers to 93'  
Earth Boring 93'  
Rock Coring  
Samples

B-4 IS A CONTINUATION OF SB-4.

PROJECT NAME: HINESBURG  
PROJECT NUMBER: STP 0199(2)

FILE NAME: 01282/str/s01282bor.dgn  
PROJECT LEADER: C. CARLSON  
DESIGNED BY: W. LAMMER  
BORING LOG

PLOT DATE: 02-MAR-2011  
DRAWN BY: C. MOONEY  
CHECKED BY: C. CARLSON  
SHEET 17 OF 56