1

B-1-1 1 OF 2

Driller: Trent Roe	**Connecticut DOT Boring Report**		Hole No.: B-1-1
Inspector: Robert Marshall	Town: NEW MILFORD		Stat./Offset: MP 15.00
Engineer: GeoDesign, Inc.	Project No.: 170-3192 (Geo: 0331-019.00)		Northing: 784295.4
Start Date: 3-24-14	Route No.:		Easting: 809103.1
Finish Date: 3-24-14	Bridge No.: 09200R		Surface Elevation: 256
Project Description: Four Railroad Bridges on the Berkshire Line of the Housatonic Railroad			
Casing Size/Type: HW-4" ID	Sampler Type/Size: SS:1-3/8" ID		Core Barrel Type: NQ(dt)1-7/8" ID
Hammer Wt.: 300 lb. Fall: 24in.	Hammer Wt.: 140 lb. Fall: 30 in.		
Groundwater Observations: @25.9 feet after 0 hours			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0	S-1	8 8 9 9	24	6		Stone Ballast	Medium dense, gray brown fine to coarse SAND and fine to coarse GRAVEL, trace Silt, (damp)	255
						Fill		
	S-2	8 8 7 8	24	21			Medium dense, brown to light brown fine to medium SAND, little (-) Silt, trace fine Gravel (damp)	
5	S-3	5 7 7 6	24	18			Medium dense, brown fine SAND, little Silt (damp)	250
	S-4	5 5 4 5	24	14			Loose, orange brown fine to medium SAND, little Silt, trace fine to coarse Gravel, (damp)	
10	S-5	4 4 3 3	24	16			Loose, brown fine to coarse SAND, little Silt, little fine to coarse Gravel, (damp)	245
	S-6	3 4 5 4	24	9			Loose, brown fine to coarse SAND, little Silt, little fine to coarse Gravel, (damp)	
15	S-7	4 4 4 4	24	8			Loose, brown fine to coarse SAND, little Silt, little fine to coarse Gravel, (damp)	240
	S-8	6 6 9 11	24	12			Medium dense, brown fine to coarse SAND, some (-) fine to coarse Gravel, little (-) Silt, (damp)	
20	S-9	5 5 6 5	24	7			Medium dense, orange brown fine to coarse SAND, some fine to coarse Gravel, trace Silt, (wet)	235
25	S-10	4 4 17 12	24	12		Till	Medium dense, gray brown fine to medium SAND, some Silt, little fine to coarse Gravel, (wet)	230
						Bedrock		
30							Good Quality, Moderately Hard, Slightly Weathered	

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 27.5ft Rock: 5ft	NOTES: 1. Pilot hole advanced to 15 feet using 4" OD solid stem augers then switched to 4" ID flush joint casing, with casing refusal at 27.5 feet.	Sheet 1 of 2
No. of Soil Samples: 10 No. of Core Runs: 1		SM-001-M REV. 1/02

B-1-1 2 OF 2

Driller: Trent Roe	**Connecticut DOT Boring Report**		Hole No.: B-1-1
Inspector: Robert Marshall	Town: NEW MILFORD		Stat./Offset: MP 15.00
Engineer: GeoDesign, Inc.	Project No.: 170-3192 (Geo: 0331-019.00)		Northing: 784295.4
Start Date: 3-24-14	Route No.:		Easting: 809103.1
Finish Date: 3-24-14	Bridge No.: 09200R		Surface Elevation: 256
Project Description: Four Railroad Bridges on the Berkshire Line of the Housatonic Railroad			
Casing Size/Type: HW-4" ID	Sampler Type/Size: SS:1-3/8" ID		Core Barrel Type: NQ(dt)1-7/8" ID
Hammer Wt.: 300 lb. Fall: 24in.	Hammer Wt.: 140 lb. Fall: 30 in.		
Groundwater Observations: @25.9 feet after 0 hours			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
30	C-1		60	51	77	Bedrock *(con't)*	gray SCHIST [Core Times (min/ft.): 8,8,9,13,7]	225
							END OF BORING 32.5ft	
35								220
40								215
45								210
50								205
55								200
60								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 27.5ft Rock: 5ft	NOTES: 1. Pilot hole advanced to 15 feet using 4" OD solid stem augers then switched to 4" ID flush joint casing, with casing refusal at 27.5 feet.	Sheet 2 of 2
No. of Soil Samples: 10 No. of Core Runs: 1		SM-001-M REV. 1/02

B-1-2 1 OF 2

Driller: Trent Roe	**Connecticut DOT Boring Report**		Hole No.: B-1-2
Inspector: Robert Marshall	Town: NEW MILFORD		Stat./Offset: MP 15.00
Engineer: GeoDesign, Inc.	Project No.: 170-3192 (Geo: 0331-019.00)		Northing: 784252.3
Start Date: 3-20-14	Route No.:		Easting: 809101.9
Finish Date: 3-21-14	Bridge No.: 09200R		Surface Elevation: 256
Project Description: Four Railroad Bridges on the Berkshire Line of the Housatonic Railroad			
Casing Size/Type: HW-4" ID	Sampler Type/Size: SS:1-3/8" ID		Core Barrel Type: NQ(dt)1-7/8" ID
Hammer Wt.: 300 lb. Fall: 24in.	Hammer Wt.: 140 lb. Fall: 30 in.		
Groundwater Observations: @25 feet after 0 hours, @23.3 feet after 19 hours			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0	S-1	5 10 10 8	24	6		Stone Ballast	Medium dense, gray black fine to coarse GRAVEL and fine to coarse SAND, trace Silt, (damp)	255
						Fill		
	S-2	11 8 12 11	24	11			Medium dense, brown fine to medium SAND, little Silt, trace fine to coarse Gravel, (damp)	
5	S-3	5 4 5 5	24	18			Loose, brown fine to medium SAND, little fine to coarse Gravel, little Silt, trace Wood fragments, (damp)	250
	S-4	8 8 8 7	24	4			Medium dense, brown fine to medium SAND, little (+) fine to coarse Gravel, trace (+) Silt, (damp)	
10	S-5	7 4 4 9	24	19			Loose, brown fine to medium SAND, some Silt, trace fine to coarse Gravel, (damp)	245
	S-6	11 7 6 6	24	3			Medium dense, brown to gray brown fine to medium SAND, little Silt, trace fine to coarse Gravel, (damp)	
15	S-7	12 21 11 7	24	12		Till	Dense, brown fine to medium SAND, some fine to coarse Gravel, some Silt, (damp)	240
	S-8	11 10 16 16	24	8			Medium dense, orange brown fine to medium SAND, little fine to coarse Gravel, trace (+) Silt, (damp)	
20	S-9	63 28 15 15	24	4			Dense, gray brown fine to coarse GRAVEL, some fine to coarse Sand, little Silt, (wet at sample tip)	235
25	S-10	58 62 94	18	12			Very dense, gray brown fine to coarse SAND, some Silt, some fine to coarse Gravel, (damp)	230
						Bedrock		
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 29.5ft Rock: 10ft	NOTES: 1. Pilot hole to 15 feet with 4" solid stem augers then switched to 4" ID flush joint casing. 2. Roller bit refusal at 29 feet.	Sheet 1 of 2
No. of Soil Samples: 10 No. of Core Runs: 2		SM-001-M REV. 1/02

B-1-2 2 OF 2

Driller: Trent Roe	**Connecticut DOT Boring Report**		Hole No.: B-1-2
Inspector: Robert Marshall	Town: NEW MILFORD		Stat./Offset: MP 15.00
Engineer: GeoDesign, Inc.	Project No.: 170-3192 (Geo: 0331-019.00)		Northing: 784252.3
Start Date: 3-20-14	Route No.:		Easting: 809101.9
Finish Date: 3-21-14	Bridge No.: 09200R		Surface Elevation: 256
Project Description: Four Railroad Bridges on the Berkshire Line of the Housatonic Railroad			
Casing Size/Type: HW-4" ID	Sampler Type/Size: SS:1-3/8" ID		Core Barrel Type: NQ(dt)1-7/8" ID
Hammer Wt.: 300 lb. Fall: 24in.	Hammer Wt.: 140 lb. Fall: 30 in.		
Groundwater Observations: @25 feet after 0 hours, @23.3 feet after 19 hours			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
30	C-1		60	44	55	Bedrock *(con't)*	Fair Quality, Moderately Hard, Moderately Weathered, gray SCHIST [Core Time (min./ft.): 8,8,9,7,4] - 4" zone of soft, decomposed Rock at 33.5 to 34.5 feet below grade.	225
35	C-2		60	52	79		Good Quality, Moderately Hard, Slightly Weathered, gray SCHIST [Core Times (min./ft.): 8,6,6,8,9] - Lost drilling water at 38.5 feet below grade	220
							END OF BORING 39.5ft	
40								215
45								210
50								205
55								200
60								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 29.5ft Rock: 10ft	NOTES: 1. Pilot hole to 15 feet with 4" solid stem augers then switched to 4" ID flush joint casing. 2. Roller bit refusal at 29 feet.	Sheet 2 of 2
No. of Soil Samples: 10 No. of Core Runs: 2		SM-001-M REV. 1/02

DESIGNED BY:

LOCHNER
H.W. LOCHNER, INC
55 Hartland Street, Suite 401
East Hartford, CT 06108

STATE OF CONNECTICUT · RICHARD A. BRAY · LICENSED PROFESSIONAL ENGINEER

Richard Arthur Bray
2018.09.25
14:59:29-04'00'

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	9/25/18	ADDED BORING LOGS	03.01.05.A1

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

PLOTTED: 9/25/2018

DESIGNER/DRAFTER: GEODESIGN
CHECKED BY: GEODESIGN
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME: ...\SB_MSH_170_3192_MP_15.00_S-004_A1.dgn

GEODESIGN INCORPORATED
Geotechnical · Construction · Environmental
Engineers & Scientists
984 Southington Road · Middlebury, CT 06762
Telephone: (203) 758-8836 Fax: (203) 758-8849

APPROVED BY: R. BRAY DATE: 9/25/18

STATE OF CONNECTICUT · RICHARD A. BRAY · LICENSED PROFESSIONAL ENGINEER

PROJECT TITLE:
BRIDGE NO. 09200R HOUSATONIC RAILROAD MP 15.00 OVER UNNAMED BROOK

TOWN: **NEW MILFORD**

DRAWING TITLE: **BORING LOGS-1**

PROJECT NO. **170-3192**
DRAWING NO. **S1-4**
SHEET NO. **03.01.05.A1**