

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax Page 1 of 1

Bridge Foundation Boring Log

Project: H-08068 Bridge _____ Date: 4/28/08
Section: 08-0115-00-BR Station _____
Struct: 3120 Bored by: D. Russell
County: Hamilton Checked By: T. Holcomb

Boring No: 1
Station: _____
Offset: _____

Elevation	N	Cu	w	%	Surface Water Elev.	
					Ground Water Elev.	Upon Completion
0						
0						
5	1.55	23				
7	2.18	28				
6	1.55	26				
4	0.88	35				
5	1.48	27				
5	2.35	34				
4	1.78	27				
5	2.78	28				
5	1.85	27				

Ground Surface 378.15 99.0'
2" Crushed Stone
Brown Mottled Gray Silty CLAY (A-6) with brick fragments
Gray CLAY (A-7-6)
Gray Mottled Brown Silty CLAY to CLAY (A-6)
Gray Clayey SAND (A-2-4)
Gray Mottled Brown CLAY (A-7-6)
Gray SANDSTONE
End of Boring @ -44.0'

Ground Water Elev. 338.15
During Drilling 338.0
Upon Completion 337.15

351.65 72.5
371.65 92.5
344.15 88.0
364.15 85.0
338.15 80.0
334.15 55.0

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 1

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Bridge Foundation Boring Log

Project: H-08068 Bridge _____ Date: 4/28/08
Section: 08-0115-00-BR Station _____
Struct: 3120 Bored by: D. Russell
County: Hamilton Checked By: T. Holcomb

Boring No: 2
Station: _____
Offset: _____

Elevation	N	Cu	w	%	Surface Water Elev.	
					Ground Water Elev.	Upon Completion
0						
7	3.18	18				
6	1.75	26				
5	1.35	28				
4	1.08	28				
5	0.48	38				
1	1.35	31				
4	0.48	46				
4	1.48	24				
5	2.18	29				

Ground Surface 379.45 100.3'
2" Crushed Stone
Brown Mottled Gray Silty CLAY (A-6)
Gray Mottled Brown Silty CLAY to CLAY (A-6)
Gray Mottled Brown CLAY (A-7-6)
Gray Clayey SAND (A-2-4)
Gray SHALE

Ground Water Elev. 338.45
During Drilling 338.3
Upon Completion plugged

372.95 92.8
367.95 88.8
345.45 80.3
340.45 61.3
335.45 56.3

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 2

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Bridge Foundation Boring Log

Project: H-08068 Bridge _____ Date: 4/28/08
Section: 08-0115-00-BR Station _____
Struct: 3120 Bored by: D. Russell
County: Hamilton Checked By: T. Holcomb

Boring No: 2
Station: _____
Offset: _____

Elevation	N	Cu	w	%	Surface Water Elev.	
					Ground Water Elev.	Upon Completion
45						
75						
70						
75						
50						
75						
55						
60						
50						
85						
65						
74						

shale (continued)
Gray SANDSTONE (A-6)
End of Boring @ -49.0'

Ground Water Elev. 338.45
During Drilling 338.3
Upon Completion plugged

331.95 52.8
330.45 61.3

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - D.T.M.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

HLR

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 548-3400

PROJECT NUMBER: 08.0104.180 DATE: 01/21/09

SHEET NO. 8 8 SHEETS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	376	08-0115-00-BR	HAMILTON	12	12
BEAVER CREEK ROAD DISTRICT			CONTRACT NO. 99355		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT BR05-065(44)			

BORINGS
STRUCTURE NO. 033-3309