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

Page 1 of 2

Bridge Foundation Boring Log

Project: H-08084 Bridge
Section: 06-09121-00-BR Station
Structure: 097-3158
County: White

Date: 4-29-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 338.5 ~~80.7~~
Upon Completion plugged

	Elevation	N	Qu tsf	w %
Ground Surface 377.5 ~~98.7~~	0			
6" Crushed Stone 377.0 ~~99.2~~				
Gray Mottled Brown CLAY (A-7-6) with sand		6	2.1B	27
	-5	5	1.3B	29
371.0 ~~93.2~~				
Brown Mottled Gray CLAY (A-7-6)		7	2.5S	22
	-10	6	1.7B	25
366.0 ~~88.2~~				
Brown Mottled Gray CLAY (A-7-6) with sand		4	1.4S	33
	-15	6	1.8B	24
360.5 ~~82.7~~				
Gray Mottled Brown CLAY (A-7-6)		11	2.9B	29
	-20	5	1.0B	31
356.0 ~~78.2~~				
Gray CLAY (A-7-6)		3	0.4B	52

	Elevation	N	Qu tsf	w %
clay (continued)				
353.5 ~~75.7~~				
Gray Mottled Brown CLAY (A-7-6)	-25	5	1.4S	30
351.0 ~~73.2~~				
Brown CLAY (A-6) with sandstone fragments		16	2.8S	27
348.5 ~~70.7~~				
Brown Sandy CLAY (A-6) with sand lenses	-30	5	0.4B	21
343.5 ~~65.7~~				
Brown Mottled Gray CLAY (A-7-6)	-35	12	2.8S	28
338.5 ~~60.7~~				
Brown Sandy CLAY (A-6)	-40	9	1.9B	13
333.5 ~~55.7~~				
Brown Mot. Gray Sandy CLAY				

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

4

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

Page 2 of 2

Bridge Foundation Boring Log

Project: H-08084 Bridge
Section: 06-09121-00-BR Station
Structure: 097-3158
County: White

Date: 4-29-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 338.5 ~~80.7~~
Upon Completion plugged

	Elevation	N	Qu tsf	w %
sandy clay (continued)	-45	10	2.1B	17
	-50	9	1.8B	15
	-55	18	2.5B	17
319.5 ~~41.7~~				
Gray Weathered SHALE	-60	48	1.6S	14
313.5 ~~35.7~~		100/6"	-	10
Gray SHALE	-65			
		100/2"	-	7

	Elevation	N	Qu tsf	w %
308.5 ~~30.7~~		100/4"	-	15
End of Boring @ -69.0'	-70			
	-75			
	-80			
	-85			

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

5

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

BORING 1

BORINGS
STRUCTURE NO. 097-3252

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

PROJECT NUMBER: 08.0263.130 DATE: 03/03/09

SHEET NO. 8
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
125	06-09121-00-BR	WHITE	13	12
MILL SHOALS ROAD DISTRICT		CONTRACT NO. 99371		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-193(27)		