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: 4-30-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 339.3 ~~61.5~~
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface 377.3 ~~99.5~~	0			
6" Crushed Stone 377.0 ~~99.2~~				
Brown Mottled Gray Silty CLAY (A-6) with sand				
		5	1.7S	17
		5	1.9S	20
370.8 ~~93.0~~	-5			
Gray Mottled Brown CLAY (A-7-6) with sand		6	1.7B	29
		7	1.9B	24
365.8 ~~88.0~~	-10			
Gray Mottled Brown CLAY (A-7-6)		6	1.6S	32
363.3 ~~85.5~~				
Brown Mottled Gray CLAY (A-7-6) with sand	-15	3	0.8B	27
		5	2.1S	25
358.3 ~~80.5~~				
Gray CLAY (A-7-6) with sand	-20	5	1.4B	29
355.8 ~~78.0~~				
Gray CLAY (A-7-6)		4	0.9B	38

Description	Elevation	N	Qu tsf	w %
clay (continued)				
353.3 ~~75.5~~				
Gray Mottled Brown CLAY (A-7-6)	-25	3	0.7S	44
350.8 ~~73.0~~				
Brown Mottled Gray CLAY (A-7-6)		16	4.3S	25
348.3 ~~70.5~~				
Brown Mottled Gray Sandy CLAY (A-6)	-30	5	1.1B	20
343.3 ~~65.5~~				
Brown CLAY (A-7-6)	-35	14	3.0S	33
338.3 ~~60.5~~				
Brown Mottled Gray CLAY (A-7-6)	-40	11	2.5S	28
333.3 ~~55.5~~				
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

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Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 61.5
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
sandy clay (continued)	-45	11	2.1B	16
328.3 ~~50.5~~				
Gray Sandy CLAY (A-6)	-50	13	3.1S	15
	-55	17	1.6B	16
318.3 ~~40.5~~		100 /5"	-	3
Gray LIMESTONE 317.3 ~~39.5~~	-60			
Gray Sandy SHALE		100 /6"	-	8
313.4 ~~35.6~~		100 /4"	-	7
End of Boring @ -64.0'	-65			

Elevation
-70
-75
-80
-85

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w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
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P = Penetrometer

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BORING 2

BORINGS
STRUCTURE NO. 097-3252

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

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

PROJECT NUMBER: 08.0283.130 DATE: 03/03/09

SHEET NO. 9
9 SHEETS

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