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

Bridge Foundation Boring Log

Project: H-09190 Bridge Co Rd 100 E Date: 8/3/09
Section: 07-08137-00-BR Station
Structure: Bored by: D. Russell
County: White Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 354.7
Upon Completion 343.7

	Elevation	N	Qu tsf	w %
Ground Surface	379.7			
4" Topsoil	0			
Brown Silty CLAY (A-6) with gravel		25	1.8S	17
	375.7			
Brown Mottled Gray Silty CLAY (A-6) to Sandy CLAY (A-6)	-5	1	0.8S	22
	373.2			
Gray Silty CLAY (A-6) to Clayey SILT (A-4)		1	0.6B	27
	-10	4	1.2B	25
		5	1.4S	24
	-15	4	1.7B	26
	363.2			
Gray Mottled Brown CLAY (A-6)		7	2.5S	26
	360.7			
Brown Mottled Gray Silty CLAY (A-6)	-20	8	3.5B	21
	358.2			
Gray Silty CLAY (A-6)		6	2.0S	42
silty clay (continued)	355.7			
Gray Sandy CLAY (A-6)	-25	2	0.6B	20
		2	0.8B	22
	-30	2	0.5B	21
	345.7			
Gray Clayey SAND (A-2-4)	-35	8	0.3S	16
	340.7			
Gray CLAY (A-7-6)	-40	4	1.2S	39

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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	Elevation	N	Qu tsf	w %
clay (continued)	-45	3	0.7B	47
Gray Sandy CLAY (A-6)	329.7 -50	6	0.6S	50
	-55	23	1.9S	16
	-60	26	2.5S	20
Gray SHALE	315.7 -65	100/4"	4.3S	9
		100/4"	--	6
shale (continued)	311.2	100/3"	--	9
End of Boring @ -68.5'	-70			
	-75			
	-80			
	-85			

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BORING 2

BORINGS
STRUCTURE NO. 097-3273

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

HAMPTON, LENZINI AND RENWICK, INC.
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SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
PROJECT NUMBER: 09.0056.130 DATE: 02/10/11

SHEET NO. 9
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
28A	07-08137-00-BR	WHITE	13	13
INDIAN CREEK ROAD DISTRICT		CONTRACT NO. 99441		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-193(38)		