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-08067 Bridge
Section: 08-09113-00-BR Station
Struct: 3085
County: Hamilton

Date: 4/25/08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 372.9 ~~74.6~~
Upon Completion 359.9 ~~61.6~~

Description	Elevation	N	Qu tsf	w %
Ground Surface 396.9 ~~98.6~~	0			
4" Crushed Stone 396.6 ~~98.3~~				
Gray Mottled Silty CLAY to Clayey SILT (A-6 to A-4)		10	1.5S	18
	-5	6	1.4S	21
		4	1.6S	26
387.9 ~~89.6~~				
Gray Mottled Brown Silty CLAY to CLAY (A-6)	-10	4	1.9B	25
		6	2.1B	20
	-15	6	2.4B	21
380.4 ~~82.1~~				
Brown Mottled Gray Silty CLAY to CLAY (A-6) with sand		8	1.7B	23
377.9 ~~79.6~~				
Gray Mottled Brown Silty CLAY to CLAY (A-6) with sand	-20	5	0.8S	29
375.4 ~~77.1~~				
Brown Mot Gray Sandy CLAY(A-6)		9	1.1B	17

Description	Elevation	N	Qu tsf	w %
(sandy clay cont.) 372.9 ~~74.6~~				
Brown Sandy CLAY (A-6)	-25	19	2.4B	16
370.4 ~~72.1~~				
Brown Mottled Gray Sandy CLAY (A-6)		31	4.7S	11
367.9 ~~69.6~~				
Gray Mottled Brown Sandy CLAY (A-6)	-30	30	5.8S	11
362.9 ~~64.6~~				
Gray CLAY (A-6)	-35	14	3.8S	23
357.9 ~~59.6~~				
Gray Silty CLAY (A-6) with sandstone fragments	-40	23	--	28
352.9 ~~54.6~~				
Gray CLAY (A-6) with sand				

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: 1
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Surface Water Elev.
Ground Water Elev. During Drilling 372.9 ~~74.6~~
Upon Completion 359.9 ~~61.6~~

Description	Elevation	N	Qu tsf	w %
clay (continued)	45	17	3.9B	16
347.9 ~~49.6~~				
Gray CLAY (A-6)	-50	11	3.1B	26
342.9 ~~44.6~~		100/5"	-	11
Gray LIMESTONE	-55	100/4"	-	8
337.9 ~~39.6~~		100/3"	-	5
End of Boring @ -59.0'	-60			
	-65			

Elevation	N	Qu tsf	w %
-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.
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B = Bulge Failure
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BORING 1

BORINGS
STRUCTURE NO. 033-3310

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) 546-3400
PROJECT NUMBER: 08.0102.130 DATE: 08/25/08

SHEET NO. 8
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
234	08-09113-00-BR	HAMILTON	13	12
SOUTH CROUCH ROAD DISTRICT		CONTRACT NO. 99343		
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		