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

Bridge Foundation Boring Log

Project: H-09083 Bridge
Section: 08-01116-00-BR Station
Structure:
County: Hamilton
Date: 4/13/09
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 356.6
Upon Completion 374.6

Elevation	N	Qu tsf	w %	Elevation	N	Qu tsf	w %
Ground Surface 380.6				clay (continued)			
5" Topsoil 380.2							
Brown Mottled Gray Silty CLAY (A-6)							
0							
	5	1.9S	23	-25	7	3.3S	29
374.1				354.1			
-5	7	2.7S	24	Gray CLAY (A-7-6) with sand	6	0.7B	33
Gray Mottled Brown CLAY (A-6) with sand				351.6			
	11	2.2S	26	Gray Fine to Medium SAND (A-2-4)	11	--	19
-10	8	2.0S	25	-30			
	6	1.2S	23	-35	20	--	23
-15	5	0.7S	33				
	5	1.0S	36	-40	14	--	33
361.6							
Gray CLAY (A-7-6)							
-20	9	0.8B	40				
	10	2.2S	26				

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 %	Elevation	N	Qu tsf	w %
sand (continued)							
-45	25	--	20	-70			
331.6							
Gray Clayey SAND (A-2-4) with gravel				-75			
-50	6	--	20				
327.1							
Gray SHALE	100/6"	3.5S	12	-80			
-55	100/5"	3.9S	11				
321.6	100/5"	--	12	-85			
End of Boring @ -59.0'							
-60							
-65							

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DESIGNED	S.W.M.
CHECKED	V.J.H.
DRAWN	D.T.M.
CHECKED	S.W.M.

BORING 1

BORINGS
STRUCTURE NO. 033-3313

HAMPTON, LENZINI AND RENWICK, INC.
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184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 09.0069.130 DATE: 04/27/10

SHEET NO. 8
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
454	08-01116-00-BR	HAMILTON	13	12
BEAVER CREEK ROAD DISTRICT		CONTRACT NO. 99442		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-065(045)		