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-09299 Bridge over Paul Creek Date: 1/6/10
Section: 09-08134-00-BR Station 5+00 Bored by: D. Russell
Structure: Checked By: T. Holcomb
County: Lawrence

Boring No: 1
Station: 4+69
Offset: 3' LT

Surface Water Elev.
Ground Water Elev. During Drilling 440.7
Upon Completion 434.2

Elevation	N	Qu tsf	w %
Ground Surface 446.4	0		
8" Crushed Stone 445.7			
Brown Sandy CLAY (A-6)	4	0.7S	22
443.2			
Brown Clayey SAND (A-2-4)	8	0.7S	19
-5			
438.2			
Gray Mottled Brown Sandy CLAY (A-6)	3	0.7B	18
-10			
433.2			
Brown Mottled Gray Sandy CLAY (A-6)	4	1.5B	23
-15			
430.7			
Gray Sandy CLAY (A-6)	2	0.4B	25
-20	2	0.5B	19
	4	1.0B	24

Elevation	N	Qu tsf	w %
sandy clay (continued)			
-25	13	0.9S	20
418.2			
Brown Mottled Gray Sandy CLAY (A-6) with sandstone fragments	14	---	15
-30			
413.2			
Gray Sandy CLAY (CL)	44	7.8S	11
-35			
-40	66	7.1S	11

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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Surface Water Elev.
Ground Water Elev. During Drilling 440.7
Upon Completion 434.2

Elevation	N	Qu tsf	w %
sandy clay (continued)	45	7.4S	14
-50	30	2.2S	18
-55	28	5.0S	17
-60	36	5.0S	16
378.2			
Gray SHALE	100/6"	---	8
-65	100/3"	---	10

Elevation	N	Qu tsf	w %
shale (continued)			
377.4	100/2"	---	6
End of Boring @ -69.0'			
-70			
-75			
-80			
-85			

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

BORING 1

BORINGS
STRUCTURE NO. 051-3298

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 10.0092.130 DATE: 04/14/10

SHEET NO. 8
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10A	09-08134-00-BR	LAWRENCE	13	12
PETTY ROAD DISTRICT		CONTRACT NO. 95638		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		