CONTRACT NO. 95505

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9th	05-00142-00-BR	COLES	16	14
STA. 14+00		TO STA.15+80		

Sheet 9 of 10 Sheets

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-06281 Bridge over Kickapoo Creek Date: 10/30/06
Section: Station 15+00
Route: 9th Street Bored by: D. Russell
County: Coles Checked By: T. Holcomb

Boring No: 1
Station: 15+49
Offset: 32' Rt

Surface Water Elev.
Ground Water Elev. During Drilling 655.65
Upon Completion 690.15

Description	Elevation	N	Qu tsf	w %
Ground Surface 704.15	0			
8" Topsoil 703.45				
Gray Mottled Brown Sandy SILT (A-4)		11	--	7
700.65				
Brown Mottled Gray Silty CLAY (A-6) with sand and crushed stone	-5	12	--	9
698.15				
Brown Mottled Gray Sandy CLAY (A-6)		9	2.2S	55
695.65				
Brown Mottled Gray Silty CLAY (A-6) with sand and pebbles	-10	17	5.4B	11
693.15				
Gray Silty CLAY (A-6) with sand and pebbles		13	4.0B	12
	-15	16	3.1B	12
		11	3.0B	12
	-20	13	2.5B	13
		13	5.2B	12

silty clay (continued)

Elevation	N	Qu tsf	w %
-25	16	4.5B	12
	18	3.6B	12
-30	22	2.8S	13
-35	18	4.1B	10
-40	34	3.5B	13

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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Page 2 of 2

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Boring No: 1
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Surface Water Elev.
Ground Water Elev. During Drilling 655.65
Upon Completion 690.15

Description	Elevation	N	Qu tsf	w %
silty clay (continued)	45	13	2.1B	14
655.65				
Gray Coarse SAND (A-2-4) with gravel	-50	29	--	12
649.15	-55	33	--	15
End of Boring @ -55.0'				

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.
w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING #1 LOGS
9th St. Over Kickapoo Creek
SECTION 05-00142-00-BR
CITY OF MATTOON STA. 14+95
STRUCTURE NO. 015-6339

SCALE: N.T.S. DRAWN BY ALB
DATE 12/5/06 CHECKED BY MED

THE UPCHURCH GROUP architects engineers surveyors
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

PLOT DATE = 10/25/2007
FILE NAME = P:\Civil\Mattoon\9th St Bridge\DRAWINGS\Soil Borings.dgn
PLOT SCALE = 51.3651 FT / IN.
USER NAME = JUSER.