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-09121 Bridge CH 7 over Riley Creek Date: 4/18/09
Section: 07-00142-00-BR Station
Structure: 015-3022 Bored by: D. Russell
County: Coles Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 90.3
Upon Completion 93.8

Elevation	N	Qu	tsf	W%
Ground Surface 99.8	0			
3" A-3 Surface/5" Crushed Stone				
Brown Sandy CLAY (A-6)				
	5	1.5S	19	
Gray Silty CLAY to Clayey SILT (A-6 to A-4)				
75.8				
	5	1.0S	16	
Gray Sandy CLAY (A-6)				
	5	0.4S	15	
90.8				
Gray Mottled Brown Sandy CLAY (A-6) with gravel	13	3.5B	12	
88.3				
Gray-Brown Coarse SAND (A-2-4)	37	--	11	
85.8				
Gray Sandy CLAY (A-6)	28	6.6S	11	
83.3				
Gray Fine to Medium SAND (A-2-4)	29	--	15	
80.8				
Gray Sandy SILT to SILT (A-4)	25	0.9S	22	
78.3				
Gray Medium SAND (A-2-4)	19	--	12	

sand (continued)

Elevation	N	Qu	tsf	W%
75.8				
Gray Silty CLAY to Clayey SILT (A-6 to A-4)	11	2.0S	12	
73.3				
Gray Sandy CLAY (A-6)	16	3.5S	13	
	13	1.6B	16	
65.8				
Gray Clayey SILT (A-4)	12	1.6S	27	
60.8				
Gray Sandy CLAY (A-6)	91	8.0S	8	

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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Upon Completion 93.8

Elevation	N	Qu	tsf	W%
clay (continued)				
	43	6.0B	9	
	60	9.3S	8	
	65	10.9S	9	
	40	4.7S	16	
37.8				
Gray SANDSTONE	100/3"	--	12	
	100/4"	--	8	

sandstone (continued)

Elevation	N	Qu	tsf	W%
31.3				
Gray Sandy SHALE 30.8	100/3"	--	9	
End of Boring @ -69.0'				

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Bridge Foundation Boring Log

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Section: 07-00142-00-BR Station
Structure: 015-3022 Bored by: D. Russell
County: Coles Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 83.8
Upon Completion 86.8

Elevation	N	Qu	tsf	W%
Ground Surface 99.8	0			
3" A-3 Surface/5" Crushed Stone				
Brown Mottled Gray Silty CLAY (A-6) with sand				
	8	--	9	
	7	1.3S	18	
	9	1.3S	18	
90.8				
Gray Mottled Brown Sandy CLAY (A-6)	2	0.5B	23	
	25	5.9S	10	
	22	7.1S	10	
83.3				
Gray Fine to Medium SAND (A-2-4)	28	--	16	
	25	--		
78.3				
Gray Sandy CLAY (A-6)	5	1.7B	19	

sandy clay (continued)

Elevation	N	Qu	tsf	W%
	6	0.8B	17	
	7	2.7B	23	
70.8				
Gray Mottled Brown Sandy CLAY (A-6)	11	3.3S	23	
65.8				
Gray Sandy CLAY (A-6) with limestone fragments	62	--	11	
60.8				
Gray Weathered LIMESTONE (boulder)	100/4"	3.5S	8	
55.8				
Gray Sandy CLAY (A-6)				

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Surface Water Elev.
Ground Water Elev. During Drilling 83.8
Upon Completion 86.8

Elevation	N	Qu	tsf	W%
sandy clay (continued)				
	45	9.2S	9	
	37	3.8S	18	
	58	8.9S	16	
40.3				
Gray SANDSTONE	100/3"	3.7S	13	
	100/4"	--	19	
35.8				
End of Boring @ -64.0'	100/3"	--	13	

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
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(217) 348-1570
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ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-000685

BORING LOGS
STRUCTURE NO. 015-3425
DATE: 02-18-2013 DRAWN BY: ADG/JEH CHECKED BY: DF

SHEET NO. 7 OF 7 SHEETS	CNTY HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	7	07-00142-00-BR	COLES	18	12
			CONTRACT NO. 95643		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PRINTED DATE: 2/18/2013
FILE NAME: = K:\Projects\Coles Co Highway Bridges\CH 7 over Union Drainage Ditch (NCA)\Drawings\Sheets\12_CH7_Bor-Logs.dgn