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-10188 Bridge SN 015-3170 Date: 9-13-10
Section: 07-05136-00-BR Station Bored by: D. Russell
Route: Checked By: T. Holcomb
County: Coles

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 72.4
Upon Completion plugged

	Elevation	N	Qu tsf	w %
Ground Surface	99.4	0		
8" Crushed Stone				
Brown Mottled Gray Silty CLAY (A-6) with sand		7	3.1S	17
	95.4			
Brown Mottled Gray Sandy CLAY (A-6)	-5	9	1.6S	11
		38	1.8S	8
	-10	33	5.8S	8
	87.9			
Gray Sandy CLAY (A-6) with pebbles		31	2.5S	9
	-15	18	7.5S	13
		20	4.2B	12
	-20	17	3.9S	15
		29	5.0S	9
sandy clay (continued)	-25	22	8.8S	11
	72.4			
Gray Fine to Medium SAND (A-2-4)		92	--	12
	70.4			
Gray Sandy CLAY (A-6) with pebbles	-30	45	9.9S	9
	-35	30	5.1S	15
	-40	32	5.7S	14
		15	4.1S	20

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
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 72.4
Upon Completion plugged

	Elevation	N	Qu tsf	w %
sandy clay (continued)	45			
	50.4			
Gray to Brown SHALE	-50	100/5"	--	11
	48.4			
		100/4"	--	24
Gray SANDSTONE	45.9			
		100/3"	--	18
End of Boring @ -53.5'	-55			
	-60			
	-65			
	-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"

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Bridge Foundation Boring Log

Project: H-10188 Bridge SN 015-3170 Date: 9-13-10
Section: 07-05136-00-BR Station Bored by: D. Russell
Route: Checked By: T. Holcomb
County: Coles

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling Dry
Upon Completion plugged

	Elevation	N	Qu tsf	w %
Ground Surface	100.4	0		
6" Crushed Stone				
Brown Mottled Gray Sandy CLAY (A-6)		7	0.9S	13
		5	0.7S	15
		6	1.3S	15
	91.4			
Gray Mottled Brown Sandy CLAY (A-6)	-10	4	1.0S	23
	88.9			
Gray Sandy CLAY (A-6) with pebbles		50	4.5S	7
	-15	90	1.4S	7
	83.4			
Gray Weathered SHALE		108	--	7
	81.4			
Gray Sandy CLAY (A-6) with pebbles	-20	51	11.5S	8
		45	7.5S	9
sandy clay (continued)	-25	27	10.4S	11
		26	9.1S	14
	-30	28	9.1S	12
	61.4			
Gray Mottled Brown Sandy CLAY (A-6) with pebbles	-40	19	2.5B	20
		23	3.7B	17

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Section: 07-05136-00-BR Station Bored by: D. Russell
Route: Checked By: T. Holcomb
County: Coles

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling Dry
Upon Completion plugged

	Elevation	N	Qu tsf	w %
sandy clay (continued)	45			
	51.9			
Gray to Brown SHALE	-50	100/6"	--	13
	49.4			
Gray SANDSTONE		100/3"	--	15
	46.4			
		100/2"	--	12
End of Boring @ -54.0'	-55			
	-60			
	-65			
	-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-%

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PRINTED DATE: 2/21/2012
FILE NAME: n:\projects\coles co highway dept\tr 282\cadd\drawings\Sheets\11-355 Bor Log.dgn

DESIGNED	DF
CHECKED	
DRAWN	ADG
CHECKED	

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ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003685

TR 282
COLES COUNTY

BORING LOGS
STRUCTURE NO. 015-3427
SHEET NO 7 OF 7 SHEETS

TWP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
282	07-05136-00-BR	COLES	13	11
		CONTRACT NO _____		
		ILLINOIS FEDERAL AID PROJECT		