ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 237	10-05124-00-BR	LAWRENCE	13	11
CONTRACT NO. 95642		ILLINOIS		

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

Bridge Foundation Boring Log

Project: H-10150 Bridge Co Rd 400N Date: 7/14/2010
Section: 10-05124-00-BR Station
Structure: 051-3129 Bored by: J. Carter
County: Lawrence Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 386.7
Upon Completion 413.7

Description	Elevation	N	Qu tsf	w %
Ground Surface 415.7	0			
Gray Mottled Brown Sandy CLAY (A-6) with gravel		5	1.2S	19
	-5	3	0.8B	24
409.2				
Gray Silty CLAY (A-6) with sand		2	0.7B	23
	-10	1	0.2B	23
404.2				
Gray Mottled Brown Silty CLAY (A-6)		4	1.2B	24
401.7				
Gray Mottled Brown CLAY (A-6) with sand	-15	5	1.4S	25
399.2				
Gray CLAY (A-6) with sand and trace organics		12	2.0S	21
	-20	19	5.1B	19
		19	5.8B	17
(clay cont.)	-25	22	5.2S	17
389.2				
Gray Mottled Brown Clayey SAND (A-2-4)		24	0.4S	20
386.7				
Gray Mottled Brown Sandy CLAY (A-6)	-30	34	1.3S	19
384.7				
Gray SANDSTONE		100/3"	--	21
		100/3"	--	17
	-35			
379.2		100/4"	--	17
End of Boring @ -36.5'				

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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Bridge Foundation Boring Log

Project: H-10150 Bridge Co Rd 400N Date: 7/14/2010
Section: 10-05124-00-BR Station
Structure: 051-3129 Bored by: J. Carter
County: Lawrence Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 386.0
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface 416.0	0			
Gray Mottled Brown Sandy CLAY (A-6)		5	1.2S	17
	-5	6	2.1S	16
410.0				
Dark Gray Mottled Brown CLAY (A-6)		3	1.4S	24
	-10	2	0.7B	25
		2	0.8S	69
402.0				
Gray Mottled Brown CLAY (A-6) with sand	-15	3	1.2B	20
		13	5.5S	17
	-20	20	4.2B	17
		18	5.0S	18
(clay cont.)				
392.0				
Gray CLAY (A-6)	-25	14	1.4B	35
		11	0.9S	17
387.0				
Gray SANDSTONE	-30	100/5"	--	17
		100/3"	--	11
382.0		100/3"	--	13
End of Boring @ -34.0'	-35			

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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ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

BORING LOGS

STRUCTURE NO. 051-3299
T.R. 237
OVER BIG SLOUGH

SECTION 10-05124-00-BR
LAWRENCE COUNTY
STATION 4+53.00