

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-11183 Bridge Structure No. 017-3010 Date: 10/4/2011
Section: 11-00096-00-BR Station 298+60
Route: FAS 698 (CH3) Bored by: J. Carter
County: Crawford Checked By: T. Holcomb

Boring No. 1 Station: 298+17 Offset: 5' LT	Surface Water Elev.				Ground Water Elev.			
	Elevation	N	Qu tsf	w %	Elevation	N	Qu tsf	w %
Ground Surface 476.5	0							
2" A-3 Surface/ 9" C. Stone 475.6								
Brown Mottled Gray Silty CLAY (A-6)	9	2.1S	14		-25	41	2.9S	8
	6	1.4B	24		53	--	8	
	5	0.8B	22		-30	77	--	9
468.0								
Gray Mottled Brown Silty CLAY (A-6)	5	0.7B	23					
465.5								
Gray Silty CLAY (A-6) with sand	5	1.0S	19		-35	35	3.9S	12
	2	1.0B	26					
	5	--	27		-40	51	--	16
458.0								
Brown Sandy CLAY (A-6)	18	--	15					
455.5								
Gray Silty CLAY (A-6) with sand	29	6.2S	9			37	7.4S	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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	Elevation	N	Qu tsf	w %	Elevation	N	Qu tsf	w %
Silty CLAY with sand (continued)					-45			
					-70			
					-50	25	1.6B	15
					-75			
					-55	13	1.9S	38
					-80			
416.5					-60	17	2.2B	15
End of Boring @ -60.0'								
					-85			
					-65			
					-31	--	10	

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BORING 1