



SOIL BORING LOG

Date 3/28/07

ROUTE FAI 57/70 DESCRIPTION I-57/70 over US 45 LOGGED BY E. Sandschafer

SECTION (25-4.3)R LOCATION N 1/2, SEC. 16, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. (EX) 025-0013/0014
 Station 2294+12.22

BORING NO. 3
 Station 2294+64
 Offset 83.00ft Lt
 Ground Surface Elev. 591.14 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
0		0.5	17	Soft, damp, gray, SILTY LOAM. (continued)	0	2	B	
1	1	1.5	17		1	7	0.3	24
3	3	PP			3	9	B	
5	5	B			5	15		
8	8	B			8	27	5.2	9
12	12	B			12	47	S	
14	14				14	14		
18	18	B			18	24	3.1	9
20	20				20	40	S	
23	23				23	14		
27	27	S			27	20	5.9	11
29	29				29	29	B	
31	31				31	23		
33	33	B			33	31	0.5	10
35	35				35	31	S	
37	37				37	23		
40	40				40	26		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)



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29	29		12	Very dense, wet, gray, SANDY LOAM w/ sand & gravel. (continued)	29	38	8.7	10
36	36				36	50/5"	B	
44	44				44	22		
47	47	2.3	11		47	27	2.9	12
50/4"	50/4"	S			50/4"	26	B	
546.64				Very stiff, damp, gray, SANDY LOAM.	546.64	17		
556.64					556.64	27	2.9	12
555.64					555.64	26	B	
531.64				Hard, damp, gray, CLAY TILL.	531.64	7		

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11	11	2.9	15	Very stiff, damp, gray, CLAY LOAM TILL. (continued)	11	17	B	
17	17				17	8		
27	27	B			27	17	4.5	16
27	27	B			27	26	B	
492.64					492.64	50/1"		
492.54				Very dense, gray, cemented SANDSTONE.	492.54	50/0"		
501.64				Borehole continued with rock boring.	501.64	50/0"		

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S:\Projects\403-0002_5770-Bridges\Bridges 025-8648 Y shaped culvert under US 45\DWG\Incl Design CAD Drawings\0258648-74295-010 Borings 02.dwg