



SOIL BORING LOG

Page 2 of 4

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)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOISTURE (%)
29		12		Hard, damp, gray, CLAY TILL. (continued)	38	8.7	10	
36				530.34	50/5'	B		
546.64				Very stiff, damp, gray, SANDY LOAM.	44			
50/3"	44				50/2"	22		
50/2"								
521.64				Very stiff, damp, gray, CLAY LOAM TILL.	17			
50/4"	34	2.3	11		27	2.9	12	
50/4"	47				26	B		
531.64				Hard, damp, gray, CLAY TILL.	7			
50/0"	20				7			

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)



SOIL BORING LOG

Page 3 of 4

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)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOISTURE (%)
11		15		Very stiff, damp, gray, CLAY LOAM TILL. (continued)	17	2.9	15	
17								
501.64				Hard, damp, gray, CLAY TILL.	8			
50/1'	17	4.5	16		27	B		
492.64				Very dense, gray, cemented SANDSTONE.	50/1'			
492.54				Borehole continued with rock coring.	50/0'			
50/0'					50/0'			

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)



ROCK CORE LOG

Page 4 of 4

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 CORING METHOD Rotary surface set diamond bit

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

CORING BARREL TYPE & SIZE: NW, conv dbl bbl, split inner
 Core Diameter: 2.06 in
 Top of Rock Elev.: 492.64 ft
 Begin Core Elev.: 492.54 ft

DEPTH (ft)	CORER (#)	RECOVERY (%)	QUALITY (%)	TIME (min/ft)	STRENGTH (tsf)
492.54	B1-1	100	98	1	
-100					
487.54	B1-2	100	68	0.9	
-105					
482.54					
-110					
-115					

Color pictures of the cores Available on request
 Cores will be stored for examination until 03/28/08
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)