



SOIL BORING LOG

Page 1 of 1

Date 3/24/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION E 1/2, SEC. 36, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 7S0251057L157.7
 Station 2063+00

BORING NO. 14A DL
 Station 2063+00
 Offset 14.60R Lt
 Ground Surface Elev. 570.60 ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	M O I S T (%)	Description	Elev. (ft)	DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	M O I S T (%)
0				11" asphalt shoulder on 12" crushed stone/soil mixture.		2	1.4	22	
568.70				Brown, CLAY. Skipped this trip.		4	B		
566.10				Hard, damp, brown mottled gray, CLAY LOAM TILL embankment.	545.60	2	0.6	23	
561.10				Stiff, damp, brown, SANDY CLAY TILL embankment.	543.60	2			
558.60				Stiff, damp, brown, SANDY CLAY LOAM TILL embankment.	540.10	3	0.3	18	
556.10				Medium to very stiff, damp, brown marbled gray, CLAY LOAM TILL embankment.	538.10	2	0.8	19	
551.10				Hard, damp, red, CLAY LOAM TILL.	537.70	3	B		
				Extent of exploration.	536.10	14			
					534.60	21	9.2	11	
						28	B		

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

STRUCT. NO. 7S0251057L157.7
 Station 2063+00

BORING NO. 14B PL
 Station 2063+00
 Offset 46.00R Rt
 Ground Surface Elev. 570.24 ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	M O I S T (%)	Description	Elev. (ft)	DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	M O I S T (%)
0				28" crushed stone.		2	0.4	20	
567.94				Brown, CLAY. Skipped this trip.	548.24	0			
561.10				No recovery, rock in sampler shoe.		1	0.3	24	
544.34				Hard, damp, brown marbled gray, CLAY LOAM TILL.	544.34	1	B		
583.24				Medium, damp, brown, SANDY CLAY LOAM.		8			
580.74				Stiff, damp, brown to red, CLAY LOAM TILL.		12	4.9	13	
539.24				Extent of exploration.	539.24	14	6.4	13	
555.74				Soft, very damp, brown, SILTY LOAM.		3	0.3	13	
553.24				Hard, damp, brown, CLAY LOAM TILL.		5	4.7	16	
550.74				Soft, damp, gray, SILTY CLAY.		3			

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 BBS, from 137 (Rev. 8-99)