



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/4/10

ROUTE FAI 57/70 DESCRIPTION West Fayette Ave and I-57/70 Interchange Ramp Traffic Signals LOGGED BY E. Sandschafer

SECTION \* LOCATION NE 1/4, SEC. 30, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO.	N/A	D	B	U	M	Surface Water Elev.	N/A	D	B	U	M
Station	N/A	E	L	C	O	Stream Bed Elev.	N/A	E	L	C	O
BORING NO.	TS 1103	T	W	Qu	T	Groundwater Elev.:		H	S	Qu	T
Station	53+71	H	S			First Encounter	575.5				
Offset	56.00ft Rt	(ft)	(/6")	(tsf)	(%)	Upon Completion	575.5	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.	599.00					After 24 Hrs.	582.0				
3" topsoil.	598.70					Stiff, damp, gray marbled red, SANDY CLAY. (continued)		2	1.0		15
Medium to very stiff, damp, brown/gray/red, CLAY.								3	B		
		5						2			
		5	2.4	21		576.30		3	0.9	14	
		5	B					3	S		
		3						3			
		-5						-25	7	3.1	11
		3	1.0	18		573.50		22	B		
		3	B								
		2									
		3	1.7	17							
		4	B								
589.50		2				569.50		10			
Medium, damp, gray mottled brown, SILTY CLAY.		2	0.6	15				16	5.9	9	
		3	B			568.00		24	B		
		2									
587.00		2									
Stiff, damp, gray, CLAY.		2	1.1	26							
		2	B								
		1									
		3	1.5	28							
		4	B								
		2									
		2	1.9	19							
		4	B								
with Sand.											
579.50		2									
		-20									

Latitude W 88 deg 34.034 min, Longitude N 39 deg 07.224 min, Map Datum WGS 84

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)



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/5/10

ROUTE FAI 57/70 DESCRIPTION West Fayette Ave and I-57/70 Interchange Ramp Traffic Signals LOGGED BY E. Sandschafer

SECTION \* LOCATION SE 1/4, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO.	N/A	D	B	U	M	Surface Water Elev.	N/A	D	B	U	M
Station	N/A	E	L	C	O	Stream Bed Elev.	N/A	E	L	C	O
BORING NO.	TS 1104	T	W	Qu	T	Groundwater Elev.:		H	S	Qu	T
Station	54+36	H	S			First Encounter	580.9				
Offset	73.00ft Lt	(ft)	(/6")	(tsf)	(%)	Upon Completion	583.4	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.	595.43					After 24 Hrs.	581.9				
3" topsoil.	595.13					Medium, damp, gray, SANDY LOAM. (continued)	574.93		5	0.4	15
Stiff, damp, brown/gray, CLAY.						Gray, fine grained, SAND. 6% passing #200 sieve.			4	S	
		1							2		
		3	2.1	13		8% passing #200 sieve.			4		24
		5	B						5		
		1							1		
		-5							-25	6	19
		3	1.1	15		7% passing #200 sieve.			6		
		3	B						8		
							569.63				
						Hard, damp, gray, CLAY LOAM TILL.					
588.43		1									
Stiff, damp, gray, SILTY CLAY.		3	1.2	22							
		4	BS								
585.93		1									
Stiff, damp, brown, CLAY LOAM.		2	1.5	12					10		
		3	B						16	8.6	8
		3	B						24	S	
							564.43				
						Extent of exploration.					
583.43		0									
Stiff, damp, gray, SILTY CLAY.		3	1.7	17							
		4	B								
580.93		2									
Stiff, damp, gray, CLAY LOAM.		3	2.1	15							
		5	B								
		1									
		3	1.5	14							
		3	B								
575.93		2									
		-20									

Latitude W 88 deg 34.022 min, Longitude N 39 deg 07.244 min, Map Datum WGS 84

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)

FILE NAME =	USER NAME = paul	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL SOIL BORING LOGS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	70	(25-3)I-6 & (25-3)B-2B	EFFINGHAM	839 262
		CHECKED -	REVISED -									<b>CONTRACT NO. 74293</b>
		DATE	REVISED									ILLINOIS FED. AID PROJECT