



# SOIL BORING LOG

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 NW 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.	Station	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOISTURE (%)
N/A	N/A					Surface Water Elev. <u>N/A</u> ft				
						Stream Bed Elev. <u>N/A</u> ft				
TS 1101	45+52					Groundwater Elev.:				
	78.00ft Rt					First Encounter <u>575.4</u> ft				
						Upon Completion <u>582.9</u> ft				
						After <u>24</u> Hrs. <u>582.9</u> ft				
		590.08				3" topsoil.	23	9.2	8	
						Brown, CLAY.	37	B		
		583.38								
			0			Soft to medium, damp, brown, SILTY CLAY.	9			
			0	0.5	15		21	5.9	8	
			3	B			25	S		
		585.88								
			1			Stiff to medium, damp, gray mottled red, CLAY.	9			
			-5				-25			
			2	1.4	26		11	7.7	9	
			3	B			23	BS		
		564.38				Extent of exploration.				
			1							
			2	0.8	21					
			2	B						
		580.88				* Contract 74293 Section (25-3)I-6 & (25-3HB-2)B West Fayette Ave and I-57/70 Interchange Ramps. West Fayette Ave Stationing.				
			1				-30			
			1	1.0	17					
			2	B						
		573.38								
			1							
			1	0.3	20					
			3	B						
		575.88								
			1							
			2	0.1	21					
			3	B						
		574.68								
			1							
			4	3.8	11					
			10	B						
		572.88								
			16							

Latitude W 88 deg 34.210 min, Longitude N 39 deg 07.222 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)



# SOIL BORING LOG

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 SW 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.	Station	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOISTURE (%)
N/A	N/A					Surface Water Elev. <u>N/A</u> ft				
						Stream Bed Elev. <u>N/A</u> ft				
TS 1102	46+15					Groundwater Elev.:				
	47.00ft Lt					First Encounter <u>572.4</u> ft				
						Upon Completion <u>579.4</u> ft				
						After <u>24</u> Hrs. <u>586.9</u> ft				
		594.93				3" topsoil.	6	0.1	22	
						Very soft, wet, brown, SANDY LOAM. (continued)	20	B		
		574.23				Damp, brown, CLAY LOAM TILL.				
			1							
			2	1.0	17					
			2	B						
		572.43				Brown, wet, SAND.	36	3.3	19	
			17	S						
		570.43				Hard, damp, gray, CLAY LOAM TILL.	32			
			-5				-25			
			3	0.7	15					
			3	B						
		564.38				Extent of exploration.				
			1							
			2	0.8	21					
			2	B						
		587.93				* Contract 74293 Section (25-3)I-6 & (25-3HB-2)B West Fayette Ave and I-57/70 Interchange Ramps. West Fayette Ave Stationing.				
			1							
			2	1.8	19					
			2	B						
		566.93				Extent of exploration.	31	9.7	8	
			50	B						
			1							
			5	2.9	21					
			6	B						
		582.93								
			0							
			2	1.1	17					
			3	B						
		577.93								
			0							
			2	1.5	17					
			3	B						
		575.43								
			0							
			1	0.5	18					
			1	B						
		575.43								
			0							

Latitude W 88 deg 34.194 min, Longitude N 39 deg 07.245 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. 1 OF 2 SHEETS	STA.	TO STA.	70	(25-3)I-6 & (25-3HB-2)B	EFFINGHAM	839	261
		CHECKED -	REVISED -		<b>CONTRACT NO. 74293</b>								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								