Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 10/6/10

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

SECTION Various LOCATION N 1/2, 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. 7S025I057L159.9
Station 2178+90

BORING NO. 20
Station 2178+90
Offset 73.00ft Lt
Ground Surface Elev. 574.84 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 551.8 ft
Upon Completion 556.8 ft
After 24 Hrs. 556.8 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10" mixture of aggregate, millings and Sandy Loam, roadway shoulder.	574.04				
Hard, damp, gray, CLAY LOAM TILL.			3		
			9	4.0	7
			7	PP	
		-5	30		
			50/5"	4.0	6
			50/3"	PP	
			15		
			23	9.7	8
			29	B	
		-10	17		
			26	9.7	8
			37	B	
			35		
			50/4"	9.7	7
			50/3"	B	
		-15	25		
			42	+4.5	7
			50/4"	PP	
			31		
			42	9.7	7
			50/4"	PP	
	554.84	-20	31		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, damp, gray, CLAY LOAM TILL.			45	9.7	8
			50/4"	B	
	552.84				
Soft, very damp, gray, SANDY LOAM.			25		
	551.84		48		14
Very dense, wet, gray, fine grained, SAND. *10% passing #200 sieve.*			50/4"		
	550.34				
Hard, damp, gray, CLAY LOAM TILL.		-25	50/5"		
			50/2"	1.2	10
			50/1"	S	
	547.84				
Gray, fine grained, SAND. *16% passing #200 sieve.*	547.44		19		
			29	9.7	8
Hard, damp, gray, CLAY LOAM TILL.			40	B	
		-30	12		
			18	9.7	11
	543.84		29	B	
Extent of exploration.					
		-35			
		-40			

Latitude W 88 deg 33.957 min, Longitude N 39 deg 37.797 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 = S:\Projects\403-00072_57-70\dgn\ML_Keller^Boring log.dgn	USER NAME = bseibel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS FOR SIGN TRUSS FOUNDATIONS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			57/70	(25-3,4)R	EFFINGHAM	1098 / 295
	PLOT SCALE = 0.1667 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 74299	
	PLOT DATE = 3/18/2011	DATE -	REVISED -		SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	