Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 9/28/10

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. 7S025I057R159.7
Station 2165+19

BORING NO. 16
Station 2165+19
Offset 74.00ft Rt
Ground Surface Elev. 569.65 ft

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

Groundwater Elev.:
First Encounter 557.7 ft
Upon Completion 562.7 ft
After 144 Hrs. 563.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12" shoulder mixture of aggregate and millings.	568.65				
SANDY LOAM.	567.65				
Very stiff, damp, brown, CLAY LOAM TILL.			8		
			10	2.5	12
			7	B	
	565.15				
Soft to very soft, very damp, brown, SANDY LOAM.		-5	1		
			1	0.3	17
			1	BS	
			0		
			1	0.3	23
			1	BS	
		-10	1		
			0	0.1	17
			0	S	
			2		
			4	0.1	16
			4	S	
	555.15				
Hard, damp, gray, CLAY LOAM TILL.		-15	17		
			32	7.8	8
			50	BS	
			17		
			22	7.3	11
			36	B	
	549.65	-20	22		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, damp, gray, CLAY LOAM TILL.			24	8.7	9
			39	B	
			15		
			23	9.2	10
			31	B	
		-25	17		
			24	9.2	9
			36	B	
Skipped this trip.					
		-30	28		
			33	9.2	10
	538.65		27	B	
Extent of exploration.					
		-35			
		-40			

Latitude W 88 deg 34.007 min, Longitude N 39 deg 07.534 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)

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Date 9/28/10

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. 7S025I057R159.9
Station 2176+00

BORING NO. 17
Station 2176+00
Offset 76.00ft Rt
Ground Surface Elev. 571.80 ft

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

Groundwater Elev.:
First Encounter ft
Upon Completion 554.8 ft
After 144 Hrs. 568.8 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
12" shoulder mixture of aggregate and millings.	570.80				
SANDY LOAM.	569.80				
Hard, damp, brown, CLAY LOAM TILL.			9		
			15	9.7	8
			20	B	
		-5	12		
			18	9.2	9
			23	B	
			9		
			12	9.2	8
			24	B	
		-10	23		
			26	8.1	8
Gray			50/4"	S	
Skipped this trip.					
	567.30				
Stiff, damp, gray, SANDY LOAM.		-15	21		
			19	1.6	9
			43	S	
	554.80				
Hard, damp, gray, CLAY LOAM TILL.			13		
			21	8.1	9
			32	BS	
	552.30				
Dense, damp, gray, fluffy, SAND.		-20	16		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense, damp, gray, fluffy, SAND. (continued)			32		8
	551.00		46		
Hard, damp, gray, CLAY LOAM TILL.					
			33		
			50/5"	7.8	17
	548.50		50/4"	B	
Extent of exploration.					
		-25			
		-30			
		-35			
		-40			

Latitude W 88 deg 33.954 min, Longitude N 39 deg 07.707 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	294
	PLOT SCALE = 0.1667 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 74299		
	PLOT DATE = 3/18/2011	DATE -	REVISED -		SCALE: SHEET NO. 3 OF 7 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		