Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 2/4/10

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

SECTION Various LOCATION SE 1/4, SEC. 36, TWP. 8 N, RNG. 5 E, 3 PM

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

STRUCT. NO. 7S025I070R091.8
Station 2028+00

BORING NO. 2A DL
Station 2028+00
Offset 12.00ft Rt
Ground Surface Elev. 527.24 ft

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

Groundwater Elev.:
First Encounter 507.7 ft
Upon Completion 507.7 ft
After 96 Hrs. 525.8 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9" asphalt shoulder.	526.44				
Soft to medium, damp, gray, SANDY CLAY.		-5	2		
			4	0.5	23
			5	B	
			1		
			3	0.5	17
			7	B	
	517.74				
Very stiff, damp, gray, CLAY w/ Sand.		-10	2		
			3	2.1	13
			4	B	
	515.24				
Medium, damp, gray, SANDY LOAM w/ many black hair roots.			2		
			2	0.6	21
			1	B	
	512.74				
Very soft, very damp, gray, SILTY LOAM w/ black organics.		-15	0		
			0	0.1	24
			0	B	
	510.24				
Very soft, very damp, gray, SANDY LOAM.			0		
			0	0.0	21
			1	B	
	507.74				
Stiff to very stiff, damp, gray,	507.24	-20	1		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY TILL.			2	2.0	18
Brown, fine grained, SAND. *2.5% passing #200 sieve.*			4	B	
	505.24				
Very soft, very damp, gray, SILTY LOAM.			2		
			2	0.0	25
			3	B	
	502.74				
Very stiff, damp, gray, CLAY LOAM TILL.		-25	4		
			7	2.1	16
			9	B	
			4		
			13	3.5	14
	498.74		20	B	
Extent of exploration.		-30			
		-35			
		-40			

Lattitude W 88 deg 35.197 min. Longitude N 39 deg 05.556 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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SOIL BORING LOG

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Date 3/2/10

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

SECTION Various LOCATION SE 1/4, SEC. 36, TWP. 8 N, RNG. 5 E, 3 PM

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

STRUCT. NO. 7S025I070R091.8
Station 2028+00

BORING NO. 2B PL
Station 2028+00
Offset 25.00ft Lt
Ground Surface Elev. 527.24 ft

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

Groundwater Elev.:
First Encounter 507.7 ft
Upon Completion 516.7 ft
After 24 Hrs. 515.7 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
11" asphalt shoulder, 11" granular subbase.	525.44				
Brown, CLAY.					
	522.74				
Soft, damp, gray, CLAY LOAM.		-5	2		
			4	0.3	13
			4	BS	
	520.24				
Stiff, damp, gray marbled red, CLAY LOAM TILL.			3		
			3	1.9	17
			4	B	
		-10	3		
			5	2.1	17
			6	B	
			2		
			4	2.0	17
			5	B	
	512.74				
Soft, damp, gray, SILTY LOAM.		-15	0		
			0	0.3	26
			0	B	
	510.24				
Very soft, wet, gray, SANDY LOAM.			0		
			1	0.1	24
			1	B	
	507.74				
		-20	2		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, wet, brown, fine grained, SAND. *9% passing #200 sieve.* *(continued)*			4		19
			7		
	505.24				
Very stiff, damp, gray to blue, CLAY TILL.			2		
			4	2.9	20
			6	B	
		-25	5		
			9	3.6	17
			12	B	
	501.24				
Extent of exploration.		-30			
		-35			
		-40			

Lattitude W 88 deg 35.200 min. Longitude N 39 deg 05.561 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\S TrILY\boring logs.dgn	USER NAME = paul	DESIGNED - ESW	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 - PDB	REVISED -			57/70	(25-3)R	EFFINGHAM	1416 / 387
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - BRM	REVISED -					CONTRACT NO. 74296	
	PLOT DATE = 3/18/2010	DATE - 3-11-10	REVISED -		SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	