Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 3/15/10

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

SECTION Various LOCATION N 1/2, SEC. 17, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 7S025I057R161.3
Station 2249+25

BORING NO. 4A (DL)
Station 2249+25
Offset 62.00ft Rt
Ground Surface Elev. 602.70 ft

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

Groundwater Elev.:
First Encounter 588.2 ft
Upon Completion 588.7 ft
After 24 Hrs. 597.3 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
13 1/2" asphalt shoulder on 6" crushed stone subbase.					
	601.10				
Gray, CLAY.					
Skipped this trip.					
		-5	4		
No recovery, rock in sampler shoe.			5		
			6		
	595.70				
Medium to stiff, damp, brown, CLAY LOAM.			2		
			3	1.0	20
			4	B	
	593.20				
Medium, damp, brown marbled red, CLAY.		-10	2		
			4	0.9	22
			4	B	
	590.70				
Stiff, damp, red/brown/black/gray, SANDY CLAY LOAM.			2		
			3	1.1	20
			4	B	
	588.20				
Very soft, wet, red, SANDY LOAM.		-15	0		
			1	0.1	21
			2	B	
	585.70				
Stiff, damp, gray, SANDY CLAY LOAM TILL, water in sampler.			12		
			24	1.6	8
			44	S	
	583.20				
		-20	17		
Hard, very moist, gray, CLAY LOAM TILL. *(continued)*			25	9.0	7
			39	S	
			26		
			34	5.7	7
			50/4"	S	
		-25	29		
			38	8.7	9
			31	B	
	576.70				
Extent of exploration.					
		-30			
		-35			
		-40			

Latitude W 88 deg 32.956 min, Longitude N 39 deg 58.540 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 7/8/08

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

SECTION Various LOCATION N 1/2, SEC. 17, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 7S025I057R161.3
Station 2249+25

BORING NO. 4B (PL)
Station 2249+25
Offset 5.00ft Rt
Ground Surface Elev. 600.99 ft

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

Groundwater Elev.:
First Encounter 585.1 ft
Upon Completion 586.0 ft
After 24 Hrs. 595.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4" topsoil.	600.69				
Brown, CLAY.					
	598.99				
Medium to soft, damp, red marbled gray, SILTY CLAY LOAM.			2		
			2	0.8	28
			3	B	
		-5	1		
			2	0.5	20
			3	B	
	593.99				
Stiff, damp, red marbled gray, SILTY CLAY LOAM TILL.			1		
			3	1.1	24
			3	B	
	591.49				
Stiff, damp, red marbled tan, CLAY LOAM TILL.		-10	1		
	590.39		3	1.4	18
Very soft, wet, tan, SILTY LOAM.			4	B	
			0		
	587.99		2	0.1	23
Hard, damp, brown, CLAY LOAM TILL.			4	B	
	586.49				
Very stiff, damp, gray, SANDY CLAY TILL.		-15	13		
			19	3.0	10
			41	S	
	585.09				
Gray, fine grained, SAND.					
	583.99				
Hard, damp, gray, CLAY LOAM TILL.			12		
			19	6.5	8
			30	BS	
	582.49				
Extent of exploration.					
		-20			

Latitude W 88 deg 32.964 min, Longitude N 39 deg 58.548 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)