Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/13/11

ROUTE FAI 57 DESCRIPTION Overhead Sign Truss - NB LOGGED BY E. Sandschafer

SECTION LOCATION SW 1/4, SEC. 16, TWP. 12 N, RNG. 8 E, 3 PM

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

STRUCT. NO. 7S015I057R189.4
Station 774+87

BORING NO. 1
Station 774+73
Offset 0.0ft CL
Ground Surface Elev. 727.78 ft

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

Groundwater Elev.:
▽ First Encounter 713.3 ft
▽ Upon Completion 720.3 ft
▼ After 24 Hrs. 721.3 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SILTY LOAM topsoil.	727.38				
Very stiff, damp, brown, CLAY LOAM.			3		
			5	3.5	21
			6	PP	
	723.28				
Stiff, damp, gray, CLAY.		-5	3		
			3	1.8	24
			4	PP	
	720.78				
Very soft, very damp, gray, SILTY LOAM w/ Sand.			1		
			1	0.1	14
			2	B	
		-10	1		
	717.48		2	0.8	15
Medium, damp, brown, CLAY LOAM TILL.			3	B	
	715.78				
Stiff, damp, brown, SILTY CLAY LOAM TILL.			1		
			2	1.6	14
			4	B	
	713.28				
Brown, SANDY LOAM.	712.98	-15	1		
Very stiff, damp, gray, CLAY LOAM TILL.			4	2.1	13
			6	B	
			1		
	709.78		4	0.8	18
Medium, damp, gray, SILTY LOAM.			7	B	
		-20	3		
Very stiff, damp, gray, CLAY LOAM TILL.	707.58		3	2.6	13
			5	B	
			2		
			4	2.3	12
			6	B	
	703.28				
Stiff, damp, gray, SANDY CLAY TILL.		-25	4		
			6	1.8	9
			7	BS	
	700.78				
Stiff to medium, damp, gray, CLAY LOAM TILL.			1		
			3	1.6	13
			4	B	
		-30	1		
			1	0.6	14
			3	B	
			2		
			3	0.9	14
			4	B	
		-35	1		
			3	1.3	13
			5	B	
			7		
	688.28	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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:\NEW SOIL\ECI\NICALL\ENTDATA\PROJECTS\COLES CO (015)\015-0000 SOIL 2011 SIGN TRUSS.GPJ Date Template DNTEMPLT.GDT Date Printed 11/09/08
Latitude W 88 deg 19.333 min Longitude W 39 deg 25.838 min Datum Job Number

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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Medium, damp, gray, SANDY LOAM TILL. (continued)	686.78		13	0.9	15
			13	S	
Extent of exploration.					
Benchmark: Top of East sign truss foundation = 731.06' elevation. Provided by Program Development.					
Overhead Sign Truss #03 601, located at Mile Post 189.4, Northbound I-57. Just South of the I-57 / IL 16 Interchange.		-45			
		-50			
		-55			
		-60			

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