Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/14/11

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. 2
Station 775+15
Offset 90.0ft Rt
Ground Surface Elev. 730.11 ft

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

Groundwater Elev.:
First Encounter 703.1 ft
Upon Completion 695.1 ft
After 24 Hrs. 721.3 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
14.5" asphalt shoulder.	728.91				
Very stiff, damp, gray, CLAY LOAM TILL embankment.			3		
			4 5	3.0 B	14
Stiff, damp, black, TOPSOIL, highly organic.	725.61	-5	3		
			5 6	1.9 B	23
Medium, damp, gray, CLAY LOAM w/ trace small Gravel.	723.11		1		
			2 2	0.6 B	18
Stiff, damp, gray, CLAY LOAM TILL.	720.61	-10	1		
			1 2	0.6 B	16
			2		
			3 5	2.0 B	12
		-15	2		
			3 5	1.7 B	12
			3		
			4 6	1.5 B	13
	710.11	-20	3		
Stiff, damp, gray, CLAY LOAM TILL.			4 5	1.7 B	12
			1		
			2 4	1.1 B	13
		-25	1		
			2 3	1.0 B	13
	703.11		5		
Gray, SANDY LOAM.	702.61				
Medium to stiff, damp, gray, CLAY LOAM TILL.			4 3	0.7 B	14
		-30	3		
			4 3	0.6 B	14
			1		
			3 4	1.0 B	16
	695.61		3		
Medium, damp, gray, SILTY LOAM.	694.91	-35	3 4	0.7 B	21
Soft to medium, damp, gray, CLAY LOAM TILL.					
Auger plug sank 2.5', skipped this trip.	690.11	-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 GEOTECHNICAL\GRITDATA\PROJECTS\COLES CO (015)\015-0000 SOIL 2011 SOIL TRUSS.GPJ Data Template DATEMPLT.GDT Date Printed 11/09/08
Latitude W 88 deg 19.284 min Longitude N 39 deg 28.842 min Datum Job Number

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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Soft to medium, damp, gray, CLAY LOAM TILL.			2		
	686.11		3 3	0.5 B	15
Extent of exploration.		-45			
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.		-50			
		-55			
		-60			

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FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOG SN 7S015I057R189.4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -				*		17 / 15
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -					CONTRACT NO. 46194	
	PLOT DATE = $DATE$	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	

* D7 OVD SIN STR REPL 12-21

Coles, Macon