Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 8/20/13

ROUTE FAI 57 (I-57) DESCRIPTION Cantilevered Sign Truss LOGGED BY E. Sandschafer

SECTION _____ LOCATION NW 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. 7C015I057R189.7
Station 788+82

BORING NO. 1
Station 788+66
Offset 11.0ft Rt
Ground Surface Elev. 737.95 ft

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

Groundwater Elev.:
▽First Encounter Dry ft
▽Upon Completion 712.0 ft
▼After 24 Hrs. 713.0 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Topsoil.	737.65				
Very stiff, very moist, brown, SILTY CLAY LOAM, embankment.			8		
			6 9	3.71 B	10
	733.45	-5	5		
Hard, very moist, gray, CLAY LOAM TILL, embankment.			6 6	4.53 B	9
	730.95		5		
Very stiff, damp, gray, SANDY CLAY LOAM, embankment.			5 7	1.81 BS	10
		-10	4		
			5 5	3.30 BS	10
			7		
			8 7	2.5 PP	10
	723.45				
Stiff, damp, brown, CLAY LOAM TILL, embankment.		-15	5		
			6 7	3.71 B	13
			4		
			5 8	1.98 B	9
		-20	4		
Stiff, damp, brown, CLAY LOAM TILL, embankment. (continued)			8 10	3.09 B	13
	715.95		5		
Very stiff, damp, brown, CLAY, with trace roots.			8 11	3.71 B	22
	▼712.95	-25	2		
Very soft, very damp, brown, SILTY LOAM. ▽			2 3	0.16 B	23
	710.95		2		
Stiff, damp, brown, CLAY LOAM.			3 4	1.20 B	16
		-30	3		
			5 7	1.48 B	14
	706.95				
Extent of exploration.		-35			
Benchmark: BM 300 Chiseled X on the North bolt of interstate light foundation approx. 200' South of IL 16 centerline, Sta 786+50, centerline of I-57 = 736.21' elevation.					
Note: Boring taken in median directly West from proposed location, due to traffic control concerns by Operations.		-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\GINTDATA\PROJECTS\COLES CO (D15)\015-0000 CANTILEVERED SIGN TRUSS 2013.GPJ Data Template DOTEMPLT.GDT Date Printed 8/29/13
Latitude N 88 deg 19 min 18.873 sec Longitude N 39 deg 29 min 06.593 sec Datum Job Number

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwidot\steffenmk\d0350935\D746306-sht-boring.dgn		DRAWN -	REVISED -				*	**	47	33
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 46306		
Default	PLOT DATE = 10/29/2013	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

* D7 OVC SIN STR REPL I4-42 **EFFINGHAM, MACON, COLES