STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 2

Date 3/6/09

ROUTE FAP 566 DESCRIPTION IL 106 Over Sandy Creek LOGGED BY M. Tappan

SECTION 1(B-2) LOCATION NW 1/4, SEC. 3, TWP. 13 N, RNG. 12 W, 4 PM

COUNTY Scott DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 086-0505 (Pr) 086-0012 (Ex)
Station 131+38

BORING NO. 2 SA South Abut.
Station 132+07
Offset 13.0ft RT
Ground Surface Elev. 486.3 ft

Surface Water Elev. 468.7 ft
Stream Bed Elev. 467.7 ft

Groundwater Elev.:
First Encounter 473.3 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey to Brown SILT LOAM To SILTY CLAY (Fill) with Sand and Silt lenses and pockets					
Gravel			1		
(Refer to Shelby Tube Test Data for Soil Description)		-5	2 2		
Grey and Brown Moist CLAY LOAM (Fill)	480.80		1		
			1 2	0.7 B	13
Light Greyish Brown Very Moist SILT LOAM	478.30		0		
		-10	1 1	0.2 B	24
Brown Medium SAND	475.30		1		
			2 2		
Grey Very Moist SILTY CLAY LOAM w/2" Seam Medium Sandy Gravel Free Water	473.30		0		
		-15	1 1	0.3 B	25
Grey Very Moist Silty Clay Loam			W O H	0.1 B	23
Brown Medium SAND Gradation Sample 2SA-1	468.30		0		
		-20	0 1		
Grey Coarse SAND Gradation Sample 2SA-2	465.80		1		
Washed			2		
			1 1		
Grey Very Moist SILTY CLAY	463.30		0		
Washed		-25	0 1	0.2 B	22
			1		
Washed			1 1	0.4 B	27
Grey Very Moist SILT LOAM	458.30		0		
		-30	1 1	0.4 B	25
Grey Very Moist SILTY CLAY LOAM (Till)	453.80		0		
		-35	1 2	0.5 B	21
		-40	1 2	0.6 B	27

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:\SOIL\SCOTT FILES\SCOTT\086-0505 IL 106 OVER SANDY CREEK.GPJ Data Template D:\TEMPLT\ISDOT.GDT Date Printed 7/1/10
Latitude 39.3541111 Longitude -90.2518170 Datum NAD83 Datum Elev. D-0486.3 Datum Elev. S-0468.7

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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Very Moist SILTY CLAY LOAM (Till) *(continued)*					
Grey and Yellowish Brown Moist Shaley CLAY	443.30		0		
		-45	2 4	1.2 B	19
Dark Grey Moderately Indurated Fissile Clayey SHALE	440.30				
			10		
		-50	75 25/1"		10
			25		
Well Indurated	431.80		100/3"		11
Boring Completed		-55			
		-80			

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DESIGNED	C.M.W.
CHECKED	J.S.A.
DRAWN	T.J.W.
CHECKED	C.M.W.

HOELSCHER ENGINEERING
Fairview Heights, IL
Springfield, IL
Champaign, IL

SOIL BORING LOGS
STRUCTURE NO. 086-0505

SHEET NO. 26 of 26 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	566	1(B-2)	SCOTT	77	53
			CONTRACT NO. 72B91		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		