Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 10/25/07

ROUTE FAP 646 (IL 40) DESCRIPTION IL 40 over Spoon Creek Tributary LOGGED BY Larry Myers

SECTION 122 LOCATION NW 1/4, SEC. 27, TWP. 15N, RNG. 07E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-2526
Station 379+00

BORING NO. #1:
Station 379+13
Offset 29.00ft Rt.
Ground Surface Elev. 757.07 ft

Surface Water Elev. 754.78 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 743.1 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, black, Silty Clay Loam-topsoil, fill	754.57				
Stiff, black, Silty Clay to Silty Clay Loam- fill	753.07		2 2 2	1.5 P	27.6
Stiff, black gray, Loam, Clay Loam, Silt and fine, Sand- backwater deposits	750.07	-5	2 1 2	1.0 P	30.0
Stiff, brown gray, fine to medium, interbedded, Sand, Silt and Sandy Loam	745.07	-10	4 2 4 1 4 2	1.5 P 1.5 P	22.6 15.3
Stiff, brown, Sandy Loam Till	742.57		1 3 4	1.8 P	13.4
Very stiff to hard, grayish brown, Sandy Clay Loam to Sandy Loam Till	737.57	-15 -20	2 5 6 4 7 11	3.2 S 4.4 S	10.8 10.8
Hard, gray, brittle, Sandy Clay Loam to Sandy Loam Till *(continued)*	730.57	-25	7 10 14 15 27 30 37 50 50	5.1 S >4.5 P >4.5 P	10.2 7.0 8.1
End of Boring		-30 -40			

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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ROUTE FAP 646 (IL 40) DESCRIPTION IL 40 over Spoon Creek Tributary LOGGED BY Larry Myers

SECTION 122 LOCATION NW 1/4, SEC. 27, TWP. 15N, RNG. 07E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-2526
Station 379+00

BORING NO. #2:
Station 378+95
Offset 36.00ft Lt.
Ground Surface Elev. 758.44 ft

Surface Water Elev. 754.78 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 752.4 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, black, Silty Clay Loam-topsoil	755.94		2		
Stiff, black, Silty Clay Loam- topsoil	754.44		3 4	1.5 P	31.0
Stiff to medium, gray brown, Silt, Clay Loam and fine, Sand- backwater deposits	749.44	-5	2 1 1	1.0 P	28.4
wh- weight of the hammer ▽			wh wh 1	0.5 P	20.9
Very stiff, brown to gray, Silty Clay Loam to Silty Loam Till with pockets of Silt	744.44	-10	2 4 8	3.8 S	17.4
Hard, grayish brown, Sandy Clay Loam to Sandy Loam Till	738.94	-15 -20	8 12 15 3 5 6 4 8 12 5	rock in shoe 4.1 S 4.4 S	12.3 11.3
Hard, gray, brittle, Sandy Clay Loam to Sandy Loam Till with pockets of Silt and fine, Sand *(continued)*	727.44	-25 -30 -35 -40	7 15 10 19 32 7 19 29 8 18 33 9 19 34	4.4 S >4.5 P >4.5 P >4.5 P >4.5 P	12.2 8.3 9.4 11.1 12.4
End of Boring					

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)

FILE NAME = c:\pw_work\PWIDOT\CARPENTERDJ\dms30350\EP03107-sht-borlog.dgn	USER NAME = carpenterdj	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
	PLOT SCALE = 9.0000 ' / IN.	CHECKED - ___	REVISED - ___
	PLOT DATE = Oct 22, 2008 - 08:57:19 AM	DATE - _____	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(122)I	BUREAU	18	13
		CONTRACT NO. 66858		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		