Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 2/6/87

ROUTE FAI 74 DESCRIPTION I-74 over U.S. Route 45 LOGGED BY Winschief

SECTION (14 HB 4)BRK LOCATION SW, SEC. 4, TWP. 19N, RNG. 9E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0024
Station 321+61.12

BORING NO. 2 West Abut.
Station 320+29
Offset 38.0 ft Lt.
Ground Surface Elev. 743.8 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion Wash Bored ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MIXED BROWN CLAY LOAM EMBANKMENT					
		-5	12	5.2 B	13
MIXED BROWN SILTY CLAY EMBANKMENT	737.8				
			9	1.9 B	25
MIXED BROWN SANDY CLAY LOAM EMBANKMENT	735.3				
		-10	9	2.3 B	15
			6	2.5 B	16
MIXED BROWN SILTY CLAY EMBANKMENT	730.3				
		-15	6	1.7 S	24
			7	1.6 S	25
BLACK SILTY CLAY	725.3				
		-20	7	1.5 E	25
BLACK SILTY CLAY (continued)	722.8				
BROWN GRAY MOTTLED SANDY CLAY LOAM			7	2.1 S	27
		-25	6	1.2 B	19
BROWN MOTTLED SANDY CLAY LOAM TILL	718.3				
			10	3.3 B	14
GRAY SANDY CLAY LOAM TILL	715.8				
		-30	12	2.9 B	12
		-35	17	2.8 S	12
		-40	15	4.5 B	11

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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)

3/8/2011 11:27:52 AM S:\SOILS\SCANNED BORING LOGS\CHAMPAIGN CO (010)\I-74 OVER US 45.GPJ

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAY SANDY CLAY LOAM TILL (continued)					
		-45	12	1.8 B	11
COARSE GRAY SAND & GRAVEL (1" diameter)	696.8				
		-50	32		
FINE GRAY SAND	692.3				
	688.8	-55	38		
End of Boring					
		-60			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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BBS, from 137 (Rev. 8-99)

3/8/2011 11:27:53 AM S:\SOILS\SCANNED BORING LOGS\CHAMPAIGN CO (010)\I-74 OVER US 45.GPJ

*VARIOUS COUNTIES
**D-5 OVD SIN STR REPL 2012-06

FILE NAME =	USER NAME = cearlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwidot\cearlockjd\d0266557\D46179-sht-blog.dgn	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -			*	**	Various	178	44
	PLOT DATE = 10/7/2011	CHECKED -	REVISED -					CONTRACT NO. 46179		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		