

BORING LOGS



Illinois Department of Transportation
Division of Highways
District 2, Dixon

SOIL BORING LOG

Page 1 of 1

Date 3/18/02

ROUTE FA 642 DESCRIPTION P92-167-90 IL 78 culvert, .5 m. S. of Loran Road LOGGED BY T. Wendel

SECTION (10, 11) RS-2 LOCATION Pleasant Valley Twp. - NW, SEC. 35, TWP. 26N, RNG. 4E

COUNTY JoDaviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
B-1i	54+35					Surface Water Elev. 94.1 ft Stream Bed Elev. 94.0 ft				
						Groundwater Elev.: First Encounter 83.6 ft Upon Completion After Hrs.				
		96.1				VERY SOFT black LOAM with ORGANICS	74.60	7		
		94.10	1	0.1 P	31	MEDIUM tan weathered LIMESTONE with SILTY CLAY in top 6" (continued)	12	12		
		92.60	2	0.6 B	31	MEDIUM dirty SAND	8	10		
			4				14			
						MEDIUM orange/tan SILTY CLAY	72.10			
		90.10	1	0.9 B	33	HARD gray SHALE	8	12	5.1 S	15
			2				24			
			3							
		87.60	2	0.4 B	38	VERY STIFF gray SHALE	12	19	3.5 S	18
			2				30			
			2							
		85.10	1	0.3 B	30	STIFF gray SHALE	28	25	1.9 S	19
			2				15			
			2							
		82.60	1	0.2 P	25	VERY STIFF gray SHALE	23	42	3.7 S	17
			1				77			
			3							
		80.10	1	0.2 P	26	End of Boring	45	55/3"	3.7 S	18
			2				PEN			
			3							
		77.60	1	0.2 P	28					
			3							
			4							

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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Date 3/19/02

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B-2i	54+62					Surface Water Elev. 94.1 ft Stream Bed Elev. 94.0 ft				
						Groundwater Elev.: First Encounter 82.3 ft Upon Completion 87.8 ft After Hrs.				
		94.8				SOFT black CLAY LOAM with ORGANICS	73.80	10		
		92.80	3	0.3 P	37	MEDIUM tan fine SAND & GRAVEL with weathered LIMESTONE (continued)	12	12		
		91.30	4	0.5 P	31	MEDIUM gray SHALE	9	13		
			5				17			
						MEDIUM brown/gray CLAY LOAM	71.30			
		88.80	3	1.0 B	27	MEDIUM gray SHALE	12	14		
			4				25			
			5				16			
		86.30	3	0.7 B	28	DENSE gray SHALE	13	17		
			3				21			
			4							
		83.80	2	0.8 P	31	VERY DENSE gray SHALE	64.80	30	100/6"	PEN
			3			End of Boring				
			3							
		81.30	1	0.0 P	29	VERY SOFT tan/gray CLAY LOAM				
			1							
			1							
		78.80	1	0.2 B	30	Same as above	-15			
			2				-35			
			2							
		75.80	1	0.0 P	29	VERY SOFT gray SILTY CLAY with SAND lens				
			5							

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BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\PIW\DOT\HENSONKE\dms33697\08-707BOR.DGN	DRAWN -	REVISED -	642			(10,11)T	JO DAVIESS	283	101	
PLOT SCALE = 165.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64D07							
PLOT DATE = Wed Sep 03 10:24:04 2008	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							