



# SOIL BORING LOG

Date 4/16/09

ROUTE FAP 745 DESCRIPTION II 104 over Liehr Creek LOGGED BY M. Tappan

SECTION 108B-2 LOCATION NE 1/4, SEC. 17, TWP. 3S, RNG. 3W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 075-0512  
 Station 1945+91.6

BORING NO. B-EA  
 Station 1946+49  
 Offset 14.0ft LT  
 Ground Surface Elev. 524.0 ft

DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)	DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)
0	Brown Clean Moist Med SAND (Fill)			0	Lt Brown and Gray Poorly Indurated Clayey SHALE w/ Geodes (continued)	86	
2				15		75	
3				25			
3				100	Dk Gray V. Well Indurated Calcareous SHALE w/ Geodes	1	6
				1			
				500.50			
				28	Dk Gray V. Well Indurated Argillaceous LIMESTONE		
				17			
				2	FREE WATER		
				499.00			
				25	Boring Complete		
				1			
				517.50			
				1	Gray and Dk Brown Moist SAND LOAM (Fill)		
				1		0.3	16
				1		B	
				0			
				1		0.4	18
				1		B	
				1			
				4	Gray and Brown Moist SAND LOAM (Fill)	1.0	11
				4		S-10	
				0			
				2	Brown and Gray Moist SAND LOAM (Fill)	0.7	16
				2		S-10	
				0			
				507.50			
				0	Brown and Gray Moist SILTY CLAY LOAM	1.0	21
				2		B	
				3			
				0			
				505.00			
				3			
				14			8
				20			

File Name: S:\SOILSIGINT\FILES\PIKE\075-0512 IL 104 OVER LIEHR CREEK.GPJ Date Printed: 3/15/10  
Latitude: 39.483324N Longitude: 90.046811W Datum: NAD83 Job Number: 72981

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)



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SECTION 108B-2 LOCATION NE 1/4, SEC. 17, TWP. 3S, RNG. 3W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140# Auto

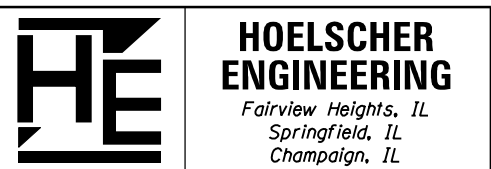
STRUCT. NO. 075-0512  
 Station 1945+91.6

BORING NO. B-WA  
 Station 1945+22  
 Offset 14.0ft RT  
 Ground Surface Elev. 531.3 ft

DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)	DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)
0	Lt Reddish Brown Moist SILTY CLAY (Fill)			0	SILTY CLAY		
1				2	Brown Moist SILTY CLAY (continued)	2	B
2				0			
3				2	Gray Moist SILTY CLAY	0.8	26
				2		B	
				1			
				4			
				506.8			
				2	Rock in Sampler - No Recovery		
				5	FREE WATER		
				10			
				505.30			
				1	Dk Gray V. Well Indurated Calcareous SHALE		
				25			
				100			6
				1			
				522.30			
				1	Gray V. Well Indurated Argillaceous LIMESTONE		
				2	Auger Refusal		
				25	Boring Complete		
				1			
				502.80			
				2	Brown Moist SILTY CLAY		
				4			
				1			
				2		1.3	22
				3		B	
				1			
				2		1.3	25
				4		B	
				0			
				1		1.1	27
				3		B	
				0			
				1	Olive Brown and Gray Moist	0.8	28
				20			

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FILE NAME = IL104 over Liehr Creek.dgn	USER NAME =	DESIGNED - CMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS F.A.P.-745 (IL 104) OVER LIEHR CREEK - S.N. 075-0512	F.A.P. RTE. = 745	SECTION = 108B-2	COUNTY = PIKE	TOTAL SHEETS = 64	SHEET NO. = 46	
	PLOT SCALE =	DRAWN - TJW	REVISED -			CONTRACT NO. 72981					
	PLOT DATE =	CHECKED - SAL	REVISED -			SHEET NO. 22 OF 22 SHEETS					
						FED. RD. DIST. NO. 6 ILLINOIS FED. AID PROJECT					