

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 1 of 2
Date 9/04

ROUTE ILL 14 DESCRIPTION Route 14 over Little Muddy River LOGGED BY Bryan Keller
SECTION (1,3) RS-1; 2B-2 LOCATION Perry Co. Line, SEC. 23, TWP. 6S, RNG. 1W, 3 PM
COUNTY Franklin DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	I		P	O	S	I
Station	T	W	S	T	Groundwater Elev.:	T	W	S	T
Offset	H	S	Qu		ft	H	S	Qu	
Ground Surface Elev.	(ft)	(#)	(#)	(%)	After _____ Hrs.	(ft)	(#)	(#)	(%)
028-0015 229+22					382.8				
1-S 229+56					372.9				
35.00ft									
387.4									
Medium, very moist, brown, Silty Clay A-6					385.4	WH	0.5	24	
	WH					WH			
	2	0.9	25			1	0.6	21	
	2	B				3	B		
					362.9				
	WH					1			
	1	0.9	31			9		17	
	1	B				4			
					380.4				
Soft, very moist to wet, grey, Silty Clay to Silty Clay Loam A-6	WH					2			
	WH	0.3	38			5	2.4	13	
	WH	B				9	B		
					377.9				
Stiff, very moist, grey, Silty Clay Loam A-6 with Rotten Vegetation	WH					3			
	WH	1.1	38			4	2.5	14	
	WH	B				11	B		
					375.4				
Very soft, very moist, grey, Silty Clay Loam A-6 with Coal, Sand and Rotten Wood Layers	1					8			
	2	0.2	40			15	6.6	12	
	1	B				24	S		
					372.9				
Stiff, very moist, grey, Clay A7-6	WH					7			
	2	1.6	26			20	6.8	10	
	3	B				26	B		
					370.4				
Soft, very moist, grey, Clay Silty Clay A7-6	WH					8			
	1	0.4	27			11	5.4	17	
	3	B				19	B		
					367.9				
	WH					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, form 137 (Rev. 8-99)

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BORING NO.	P	O	S	I		P	O	S	I
Station	T	W	S	T	Groundwater Elev.:	T	W	S	T
Offset	H	S	Qu		ft	H	S	Qu	
Ground Surface Elev.	(ft)	(#)	(#)	(%)	After _____ Hrs.	(ft)	(#)	(#)	(%)
028-0015 229+22					382.8				
1-S 229+56					372.9				
35.00ft									
387.4									
Hard, moist, brown, Silty Clay A7-6 (continued)					324.9				
					342.9				
Stiff, moist, grey, Silt loam A-4 with Sand Lenses									
					319.9				
					397.9				
Very stiff, moist, grey, Silt Loam A-4									
					355.4				
Hard, damp, grey, Clay Loam A-6									
					332.9				
Medium to stiff, very moist, grey, Clay loam A-4 with Sand layers									
					330.4				
Hard, dry, grey, Clay Shale									
					347.9				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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DESIGNED -	EXAMINED _____	DATE - 5/10/2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 073-0038	F.A.P. RTE. 869	SECTION 6B-2	COUNTY *	TOTAL SHEETS 239	SHEET NO. 153
CHECKED -	ENGINEER OF BRIDGE DESIGN				CONTRACT NO. 98797				
DRAWN -	PASSED _____				ILLINOIS FED. AID PROJECT				
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES								

*PERRY/FRANKLIN