



Illinois Department of Transportation  
Division of Highways  
WHITNEY & ASSOCIATES

# SOIL BORING LOG

Page 1 of 2

Date 2/2/12

ROUTE \_\_\_\_\_ DESCRIPTION Soangetaha Bridge Over BNSF Railroad LOGGED BY T. Fehl  
SECTION 07-00651-03-BR LOCATION Galesburg, SEC. 12, TWP. 11N, RNG. 1E  
Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
COUNTY Knox DRILLING METHOD Hollow-Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTWHS	BLCS	UCS	MOS	Surface Water Elev.	DEPTWHS	BLCS	UCS	MOS
Station	H S	T W	Qu	S T	ft	H S	Qu	T	ft
BORING NO.					Groundwater Elev.:				
Station					First Encounter				
Offset					Upon Completion				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	After 24 Hrs.	(ft)	(/6")	(tsf)	(%)
048-3198									
10+00									
B-04									
9+27					748.6				
46.0 ft Left					753.0				
773.60					755.0				
Brown And Dark Gray SILTY CLAY LOAM Organic Topsoil (10.0")									
772.77									
Medium, Dark Brown And Brown SILTY CLAY (Fill)									
DD = 94 PCF	2		0.9	25					
769.60									
Stiff, Dark Brown SILTY CLAY LOAM									
DD = 95 PCF	3		1.3	24					
766.60									
Very Stiff, Gray-Brown And Light Brown Mottled Dark Brown SILTY CLAY LOAM									
DD = 98 PCF	4		2.1	20					
765.10									
Stiff, Light Brown And Gray SILT									
DD = 101 PCF	3		1.6	19					
761.60									
Stiff, Gray-Brown SILTY CLAY									
DD = 96 PCF	4		1.5	22					
740.60									
Dense, Gray-Brown, Fine- To Coarse-Grained SAND And Fine-Grained GRAVEL									
DD = 95 PCF	3		1.1	23					
737.10									
Hard, Gray CLAY SHALE									
756.60									
Medium, Light Brown And Gray SANDY CLAY LOAM									
DD = 101 PCF	2		0.6	20					
-20									

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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048-3198									
10+00									
B-04									
9+27					748.6				
46.0 ft Left					753.0				
773.60					755.0				
Hard, Gray CLAY SHALE (continued)									
39									
55/3			4.5	14					
-			P						
-45									
97/6			4.5	13					
-			P						
-50									
101/4			4.5	12					
-			P						
-55									
97/4			4.5	12					
-			P						
717.60									
End of Boring									
-30									

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