



SOIL BORING LOG

Date 2/3/12

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.	048-3198	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	10+00	E	L	C	O	Stream Bed Elev.	ft	P	L	C	O
BORING NO.	B-02	T	W	S	I	Groundwater Elev.:		H	S	Qu	T
Station	10+48	H	S	Qu	T	First Encounter	749.4	ft	ft	(/6")	(tsf)
Offset	49.0 ft Left					Upon Completion	750.1	ft			
Ground Surface Elev.	766.90	ft	(ft)	(/6")	(tsf)	After	-	Hrs.			
Cut Two (2) Feet For Drill Rig Access						Loose, Brown And Black, Medium-Grained SAND And Fine-Grained GRAVEL With Considerable Silty Clay And Some Coal (continued)	744.90	2			
Stiff, Light Brown And Gray SILTY CLAY LOAM DD = 96 PCF						Medium-Density, Brown, Medium-To Coarse-Grained SAND And Fine-Grained GRAVEL With Considerable Silty Clay		4			
Stiff, Gray And Light Brown SILT DD = 101 PCF							5				
Very Stiff, Brown And Gray-Brown SILTY CLAY DD = 98 PCF							5				
Medium-Density, Gray, Fine-To Coarse-Grained SAND And GRAVEL DD = 97 PCF						Hard, Gray CLAY SHALE	735.40	6			
Medium, Gray SANDY CLAY LOAM DD = 103 PCF							8				
Loose, Brown, Fine-To Medium-Grained SAND							4				
Loose, Brown, Fine-To Medium-Grained SAND With Some Silt							2				

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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Offset	49.0 ft Left					Upon Completion	750.1	ft			
Ground Surface Elev.	766.90	ft	(ft)	(/6")	(tsf)	After	-	Hrs.			
Hard, Gray CLAY SHALE (continued)							10 1/4"	4.5			12
End of Boring							104 7/8"	4.5			11

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