



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 3/2/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION SE 1/4, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S0251057L160.4 Station 26+98	BORING NO. 10A (North) Station Keller A 27+01 Offset 10.00ft Rt Ground Surface Elev. 608.99 ft	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. N/A ft				Stream Bed Elev. N/A ft				Groundwater Elev.:			
						First Encounter	Upon Completion	After N/A Hrs.	First Encounter	Upon Completion	After N/A Hrs.	First Encounter	Upon Completion	After N/A Hrs.			
8" aggregate shoulder.						3				3	0.8	20					
Very stiff, damp, gray, CLAY TILL, embankment.						11	4.4	10		12							
						28				20	5.8	8					
						11				24							
						13				12							
						14	3.0	15		19	6.7	9					
						15				19							
						5				50/5"							
						7	2.4	23									
						6											
						3											
						4	1.0	25									
						5											
						1											
						3	0.6	24									
						3											
						1											
						3	1.0	24									
						3											
						2											
						4	1.9	19									
						6											
						1											

Latitude W 88 deg 33.74 min., Longitude N 39 deg 08.22 min., Map Datum WGS 84.

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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SECTION Various LOCATION SE 1/4, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S0251057L160.4 Station 26+98	BORING NO. 10B (South) Station Keller A 27+01 Offset 36.00ft Lt Ground Surface Elev. 607.21 ft	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. N/A ft				Stream Bed Elev. N/A ft				Groundwater Elev.:			
						First Encounter	Upon Completion	After 24 Hrs.	First Encounter	Upon Completion	After 24 Hrs.	First Encounter	Upon Completion	After 24 Hrs.			
8" aggregate shoulder.						0				0	2.5	11					
Very stiff, damp, brown, SANDY CLAY TILL.						8				8							
						13				13							
						22	7.9	9		22							
						37				37							
						5				5							
						4	1.2	18		4							
						5				5							
						5				5							
						6	2.4	15		6							
						9				9							
						26				26							
						43	7.7	7		43							
						50/5"				50/5"							
						2				2							
						4	1.0	22		4							
						4				4							
						2				2							
						4	1.4	23		4							
						5				5							
						1				1							
						2	0.8	21		2							
						4				4							
						1				1							
						2	0.9	23		2							
						4				4							
						1				1							
						3	0.9	19		3							
						4				4							
						0				0							

Latitude W 88 deg 33.70 min., Longitude N 39 deg 08.21 min., Map Datum WGS 84.

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)