Illinois Department of Transportation
Division of Highways
Wang Engineering

SOIL BORING LOG

Date 1/8/07

ROUTE FAP 638 DESCRIPTION P92-065-07 IL 82 Bridge over Green River, 2.0 m. N. of Geneseo LOGGED BY J. Strating

SECTION 129 BR-4 LOCATION Geneseo Twp. - 4 SW, SEC. , TWP. 17N, RNG. 3E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 037-0176
Station 1265+07.43

BORING NO. B-2a
Station 1264+23.43
Offset 45.50ft Rt CL
Ground Surface Elev. 596.40 ft

Surface Water Elev. 583.60 ft
Stream Bed Elev. 580.60 ft

Groundwater Elev.:
First Encounter 583.9 ft ▼
Upon Completion ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SANDY LOAM					
				0.5 P	14.0
	593.90				
MEDIUM brown SANDY LOAM			6		
			7	0.8 P	16.0
			7		
	591.90				
LOOSE tan/brown dirty SAND		-5			
			4		
			3		
	589.90		4		
LOOSE tan clean medium SAND			1		
			2		
	587.40		2		
LOOSE tan clean medium SAND		-10			
			1		
			4		
	584.90		5		
LOOSE tan/brown clean medium SAND		▼	2		
			4		
	582.40		5		
LOOSE tan/brown medium SAND		-15			
			2		
			3		
	579.90		4		
	577.40				
		-20			
LOOSE gray clean medium SAND with GRAVEL			1		
			2		
	574.90		4		
	571.90				
VERY STIFF gray SILTY CLAY		-25	4		
			6	3.3 P	20.0
	569.90		8		
Wash			7		
HARD brown/gray CLAY LOAM TILL			9	4.9 B	18.0
	567.40		14		
HARD gray/green CLAY LOAM TILL		-30	4		
			7	6.0 B	17.0
	564.90		11		
Wash			4		
VERY STIFF gray/green CLAY LOAM TILL			10	4.5 B	18.0
	562.40		14		
VERY STIFF gray/green CLAY LOAM TILL		-35	3		
			6	4.3 B	18.0
	559.90		12		
WASH			6		
VERY STIFF gray SILTY CLAY with SILT lens			11	3.5 P	18.0
	556.90		12		
		-40			

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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First Encounter 583.9 ft ▼
Upon Completion ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash			5		
MEDIUM gray fine SAND with CLAY lens			11		
			14		
	554.40				
VERY STIFF dark gray CLAY LOAM TILL			6		
			8	3.3 B	20.0
	552.40		12		
STIFF gray SILTY LOAM with SAND lens		-45	4		
			5	2.0 P	27.0
	549.90		6		
Wash			7		
STIFF gray SILT with ORGANICS			10	1.3 P	24.0
			15		
	546.90	-50			
Wash			10		
No Recovery			14		
	544.90		14		
Wash			33		
VERY DENSE gray SHALE	542.90		100/8"		
Auger Refusal at 53.5'					
Tri-Cone		-55			
			100/1"		
	537.90				
VERY DENSE gray/white SHALE & LIMESTONE					
End of Boring		-60			

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