BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinios Department of Transportation/D-2

SOIL BORING LOG

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Date 6/20/06

ROUTE US 150 DESCRIPTION P92-053-07 Box culvert on US 150, .6 m. N. of IL 17W LOGGED BY W. Garza

SECTION LOCATION Oxford Twp. - 9SE, SEC. , TWP. 14N, RNG. 1E

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

STRUCT. NO. 037-1013
Station
BORING NO. B-1a
Station 30' S.
Offset 12.00ft W CL
Ground Surface Elev. 99.70 ft

Surface Water Elev. ft
Stream Bed Elev. 86.00 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion None ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt					
STIFF brown LOAM			1.1 P		17.0
	97.20				
STIFF gray SILTY LOAM			4		
			5	2.0	18.0
	95.70		7	P	
		-5			
VERY STIFF gray SILTY LOAM			4		
			4	3.5	20.0
	93.20		6	B	
STIFF gray SILTY LOAM			2		
			3	1.2	22.0
	90.70		4	B	
		-10			
STIFF gray SILTY CLAY LOAM			2		
			2	1.7	24.0
	88.20		4	B	
VERY STIFF gray SILTY CLAY LOAM			4		
			6	2.7	20.0
	85.70		7	B	
		-15			
STIFF dark brown SILTY LOAM			2		
			3	1.2	27.0
	83.20		5	B	
STIFF dark gray SILTY CLAY			1		
			2	1.0	31.0
	80.70		4	B	
		-20			
STIFF dark gray SILTY CLAY with ORGANICS			1		
			1	1.2	29.0
	78.20		3	B	
VERY SOFT gray SANDY LOAM			2		
			1	0.2	28.0
	75.70		3	P	
		-25			
VERY STIFF gray LOAM TILL			1		
			3	2.1	16.0
	73.20		6	B	
VERY STIFF gray LOAM TILL			5		
			7	2.3	13.0
	70.70		12	B	
		-30			
HARD gray LOAM TILL			5		
			8	4.5	13.0
	68.20		12	B	
VERY STIFF gray SILTY CLAY LOAM TILL			5		
			7	3.5	14.0
	65.70		12	B	
		-35			
HARD gray SILTY CLAY LOAM TILL with ORGANICS			3		
			8	4.1	14.0
	63.20		11	B	
VERY STIFF gray SILTY CLAY TILL			4		
			7	3.1	15.0
	60.70		9	B	
		-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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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF gray SILTY CLAY TILL			4		
			7	3.1	14.0
	58.20		9	B	
VERY STIFF gray SILTY CLAY TILL with SAND lens			5		
			8	2.5	14.0
	55.70		10	B	
		-45			
VERY STIFF gray SILTY CLAY TILL			3		
			6	2.7	15.0
	53.20		10	B	
End of Boring					
		-50			
		-55			
		-60			

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