BORING LOGS

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

SOIL BORING LOG

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Date 6/18/06

ROUTE IL 82 DESCRIPTION P92-100-06 Box culvert on IL 82, .5 m. N. of 1400N LOGGED BY W. Garza

SECTION LOCATION Munson Twp. - 20SE, SEC. , TWP. 16N, RNG. 3E, PM

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-1
Station 15' S
Offset 15.00ft W CL
Ground Surface Elev. 99.6 ft

Surface Water Elev. ft
Stream Bed Elev. 87.0 ft

Groundwater Elev.:
First Encounter 77.6 ft
Upon Completion 78.6 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM					
				1.0 P	21
	97.60				
VERY STIFF brown SILTY CLAY LOAM			3		
			3	2.1 P	24
	96.10		6		
STIFF tanish brown SILTY CLAY LOAM		-5	2		
			2	1.2 B	26
	93.60		3		
STIFF dark gray LOAM			1		
			2	1.3 P	30
	91.10		4		
SOFT gray SILTY LOAM		-10	1		
			2	0.4 B	29
	88.60		3		
STIFF black SILTY CLAY LOAM			2		
			2	1.2 B	29
	86.10		4		
MEDIUM dark gray SILTY CLAY LOAM		-15	1		
			1	0.5 B	33
	83.60		3		
SOFT gray SILTY LOAM			1		
			1	0.4 B	31
	81.10		1		
VERY SOFT gray SANDY LOAM		-20	1		
VERY SOFT gray SANDY LOAM (continued)			1	0.2 P	22
			2		
	78.10				
MEDIUM tan dirty SAND & GRAVEL			25		
			15		
	76.10		8		
No Recovery		-25	2		
			5		
	73.60		13		
DENSE gray SHALE			11		
			17		
	71.10		23		
DENSE/VERY DENSE gray SHALE		-30	17		
			24		
	68.60		31		
VERY DENSE gray SHALE			19		
			41		
	66.10		58		
		-35			
		-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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COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-2
Station 18' N
Offset 54.00ft E CL
Ground Surface Elev. 90.0 ft

Surface Water Elev. ft
Stream Bed Elev. 87.0 ft

Groundwater Elev.:
First Encounter 78.0 ft
Upon Completion 77.0 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM					
				1.0 P	24
	88.00				
STIFF black LOAM			1		
			2	1.4 B	35
	86.50		3		
SOFT gray SILTY LOAM		-5	1		
			1	0.4 B	22
	84.00		2		
STIFF gray CLAY LOAM TILL			3		
			3	1.2 B	22
	81.50		6		
VERY STIFF gray CLAY LOAM TILL		-10	5		
			9	2.3 B	20
			16		
	78.50				
MEDIUM brown dirty SAND & GRAVEL			9		
			14		
	76.50		11		
MEDIUM brown dirty medium SAND		-15	6		
			8		
	74.00		10		
DENSE gray SHALE			10		
			16		
	71.50		23		
DENSE gray SHALE		-20	13		
DENSE gray SHALE (continued)			19		
			36		
	69.00				
VERY DENSE gray SHALE			20		
			26		
			30		
	66.50				
		-25			
		-30			
		-35			
		-40			

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