BORING LOGS

Illinois Department of Transportation
Division of Highways
District 2, Dixon

SOIL BORING LOG

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Date 12/11/02

ROUTE FAP 316 DESCRIPTION P92-003-03 IL 26 box culvert, .25 m. N. of IL 72 LOGGED BY W. Garza

SECTION 2T LOCATION Forreston Twp. - SE, SEC. 13, TWP. 25N, RNG. 7E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 071-1223
Station 1173+89

BORING NO. B-1c
Station 807+49
Offset 38.00ft Rt CL
Ground Surface Elev. 98.1 ft

Surface Water Elev. None ft
Stream Bed Elev. 95.0 ft

Groundwater Elev.:
First Encounter 84.6 ft ▼
Upon Completion 88.1 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM black SILTY LOAM				0.75 P	37
	95.60				
STIFF dark brown SILTY LOAM with ORGANICS			2 4 6	1.9 B	26
	94.10				
MEDIUM grayish tan SILTY LOAM TILL		-5	2 3 4	0.7 B	32
	91.60				
VERY STIFF gray SILT			2 3 6	2.1 B	22
	89.10				
MEDIUM tan SILTY CLAY TILL		▽ -10	2 3 4	0.6 B	19
	86.60				
STIFF tan SILTY CLAY TILL		▼	2 2 5	1.2 B	17
	84.10				
STIFF tan and gray CLAY TILL with SAND lens		-15	2 3 4	1.7 S	38
	81.60				
MEDIUM tan SILTY CLAY TILL, bottom 2" dirty fine SAND			2 4 10	1.0 B	42
	79.10	-20			
STIFF redish brown SILTY CLAY TILL with fine SAND lens			2 6 8	1.2 B	
	76.10				
MEDIUM tan dirty fine SAND with weathered LIMESTONE			10 14 12		
	74.10	-25			
MEDIUM tan weathered LIMESTONE			12 9 16		
	71.60				
MEDIUM tan weathered LIMESTONE			3 5 7		
	69.10	-30			
VERY DENSE tan weathered LIMESTONE			100/15" PEN		
	66.60				
End of Boring		-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 Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 071-1223
Station 1173+89

BORING NO. B-2c
Station 807+75
Offset 34.50ft Rt CL
Ground Surface Elev. 96.5 ft

Surface Water Elev. None ft
Stream Bed Elev. 95.0 ft

Groundwater Elev.:
First Encounter 79.0 ft ▼
Upon Completion 81.0 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4" frost STIFF black SILTY LOAM				2.0 P	38
	94.50				
STIFF dark brown SILTY LOAM			4 4 6	1.5 P	28
	93.00				
STIFF gray SILTY CLAY LOAM		-5	2 3 5	1.7 B	27
	90.50				
MEDIUM gray SILTY LOAM with ORGANICS			2 3 4	0.7 B	27
	88.00				
SOFT tan SILTY CLAY TILL		-10	1 3 3	0.5 B	19
	85.50				
MEDIUM tan SILT with LIMESTONE fragments in bottom			2 4 6	0.75 P	25
	83.00				
VERY STIFF redish brown CLAY TILL with 11% ORGANICS		-15 ▽	2 4 15	1.9 B	49
	80.00				
MEDIUM tan dirty fine SAND		▼	3 9 14		
	78.00	-20			
DENSE tan weathered LIMESTONE *(continued)*			18 20 22		
	75.50				
VERY DENSE tan weathered LIMESTONE			44 56/4" PEN		
	73.00				
End of Boring		-25			
		-30			
		-35			
		-40			

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