BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Dept. of Transportation

SOIL BORING LOG

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Date 1/28/00

ROUTE FA 549 DESCRIPTION P-92-004-97 Culvert on IL 72, .9 mile esat of Forreston LOGGED BY W. Garza

SECTION 116 RS-1 LOCATION Maryland Twp. - 27 SE, SEC. , TWP. 25N, RNG. 8E, PM

COUNTY Ogle DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station 438 + 13

BORING NO. B-1f
Station 428 + 29
Offset 12.50ft Lt CL
Ground Surface Elev. 99.0 ft

Surface Water Elev. 90.1 ft
Stream Bed Elev. 90.0 ft

Groundwater Elev.:
First Encounter 84.5 ft
Upon Completion 63.0 ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown LOAM					
				1.25 P	20
	97.00				
brown LOAM with ORGANICS			5		
			6 7	7.83 B	29
	95.50				
STIFF dark brown LOAM		-5	2		
			3 4	1.5 P	33
	93.00				
STIFF brown SILTY CLAY LOAM			2		
			2 4	1.24 B	37
	90.50				
STIFF gray tan SILTY LOAM with GRAVEL		-10	1		
			1 3	1.25 P	21
	87.50				
LOOSE tanish gray SAND & GRAVEL			0		
			2 3		
	85.50				
MEDIUM gray fine SAND		-15	2		
			5 6		
	83.00				
MEDIUM gray medium coarse SAND			5		
			7 9		
	80.50				
		-20			
MEDIUM gray medium coarse SAND, bottom 6" olive green weathered LIMESTONE (continued)			9		
	78.00		12 15		
15" Wash double pound			5		
MEDIUM gray olive-green medium coarse SAND			9		
			13		
	75.00				
HARD gray SILTY CLAY TILL		-25	6		
			8 12	4.53 B	11
	73.00				
VERY STIFF gray SILTY CLAY TILL			3		
			5 8	2.27 B	14
	70.50				
STIFF gray SILTY CLAY TILL with fine SAND lens		-30	1		
			4 7	1.65 B	14
	68.00				
VERY STIFF gray SILTY CLAY TILL			4		
			6 9	3.92 B	12
	65.50				
STIFF gray SILTY CLAY TILL with fine SAND lens		-35	2		
			4 7	1.65 B	14
	63.00				
VERY STIFF gray SILTY CLAY TILL, bottom 6" fine SAND			5		
			7 8	2.47 B	15
	60.50				
		-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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Date 1/25/00

ROUTE FA 549 DESCRIPTION P-92-004-97 Culvert over access drive, .8 mile west of Columbine Road LOGGED BY W. Garza

SECTION 116 RS-1 LOCATION Maryland Twp. - 27 SE, SEC. , TWP. 25N, RNG. 8E, PM

COUNTY Ogle DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station 433 + 25

BORING NO. B-1g
Station 433 + 55
Offset 86.50ft Lt CL
Ground Surface Elev. 95.0 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter 85.5 ft
Upon Completion ___ ft
After 24 Hrs. Spring ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
brown, frozen soil SILTY CLAY LOAM					37
	93.00				
SOFT brown SILTY CLAY LOAM			3		
			3 3	0.41 B	29
	91.50				
SOFT grayish brown SILTY CLAY LOAM		-5	1		
			2 2	0.5 P	28
	88.50				
VERY STIFF tanish gray SILTY LOAM TILL			2		
			3 5	2.06 B	15
	86.50				
STIFF olive-green SILTY LOAM TILL		-10	3		
			4 6	1.24 B	15
	84.00				
gray SILTY CLAY TILL			2		
			3 5	1.65 B	13
	81.50				
VERY STIFF gray SILTY CLAY TILL		-15	3		
			4 8	3.30 B	12
	78.50				
VERY STIFF gray SILT			4		
			7 12	2.84 S	18
	76.50				
HARD gray SILT		-20			
HARD gray SILT (continued)			15	4.5 P	17
	74.00		13 16		
VERY STIFF gray SILT			9		
			12 12	3.5 P	18
	71.50				
VERY STIFF gray SILTY CLAY		-25	3		
			7 12	2.89 B	17
	69.00				
HARD gray SILTY CLAY TILL			3		
			6 9	4.12 B	16
	66.50				
Water table came up to the ground surface (under pressure)		-30	2		
DENSE tan white rocks, weathered LIMESTONE			7 37		
	63.50				
VERY DENE tan weathered LIMESTONE	62.50		100/4"		
		-35			
		-40			

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BBS, from 137 (Rev. 8-99)

•DATE-TIME•
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