BORING LOGS

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

SOIL BORING LOG

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Date 1/12/00

ROUTE FA 549 DESCRIPTION P-92-004-97 Culvert on IL 72, 5.2 miles east of Forreston LOGGED BY W. Garza

SECTION 116 RS-1 LOCATION Maryland Twp. - 32 NE, SEC. , TWP. 25N, RNG. 9E, PM

COUNTY Ogle DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station 644 + 40

BORING NO. B-2b
Station 644 + 65
Offset 12.50ft Lt CL
Ground Surface Elev. 99.2 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 94.0 ft

Groundwater Elev.:
First Encounter ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown CLAY FILL					
				0.5 P	28
	97.20				
MEDIUM brown SILTY LOAM with ORGANICS			4		
			2	0.5 P	28
	95.70		3		
MEDIUM brown SILTY LOAM		-5	1		
			1	1.0 P	31
	93.20		4		
VERY STIFF tan CLAY LOAM			2		
			4	2.25 P	26
	90.70		5		
STIFF tan SILTY CLAY LOAM		-10	1		
			2	1.25 P	23
	87.70		3		
MEDIUM tanish yellow weathered LIMESTONE with fine SAND			5		
			9		10
	85.70		9		
MEDIUM tanish yellow SANDY LIMESTONE with little SILT		-15	3		
			5		
	83.20		9		
DENSE tanish yellow weathered SANDSTONE with LIMESTONE			10		
			17		
	80.70		28		
		-20			
DENSE tanish yellow fine SAND with LIME ROCK (continued)			16		
	78.20		23		
			20		
light blue weathered SANDSTONE			28		
			30		
	75.70		36		
		-25			
		-30			
		-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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SOIL BORING LOG

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Date 1/18/00

ROUTE FA 549 DESCRIPTION P-92-004-97 Culvert on IL 72, 4.7 miles east of Forreston LOGGED BY W. Garza

SECTION 116 RS-1 LOCATION Maryland Twp. - 32 NW, SEC. , TWP. 25N, RNG. 9E, PM

COUNTY Ogle DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station 619 + 18

BORING NO. B-2c
Station 618 + 51
Offset 12.50ft Lt CL
Ground Surface Elev. 98.9 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 82.9 ft

Groundwater Elev.:
First Encounter 76.4 ft
Upon Completion 62.6 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
tan LOAM					
					14
	96.90				
STIFF tanish brown CLAY TILL			2		
			6	2.0 P	25
	95.40		4		
MEDIUM tanish brown SILTY CLAY TILL with ORGANICS		-5	2		
			2	1.0 P	22
	92.90		3		
MEDIUM gray SILTY TILL with ORGANICS			1		
			2	0.75 P	26
	90.40		3		
MEDIUM brown, tan, olive SILTY TILL		-10	1		
			2	0.75 P	23
	87.90		3		
SOFT gray SILTY CLAY TILL with 15% ORGANICS			1		
			1	0.5 P	80
	85.40		2		
MEDIUM gray SILTY CLAY TILL		-15	2		
			3	0.75 P	20
	82.90		3		
MEDIUM gray tan SILTY CLAY TILL			2		
			3	0.62 B	21
	80.40		4		
		-20			
STIFF tanish gray SILTY CLAY TILL with dirty SAND lens (continued)			1	1.03 B	26
			1		
	77.40		2		
MEDIUM light rust tan dirty SAND			2		
			4		
	75.40		7		
MEDIUM tan fine SAND		-25	4		
			6		
	72.40		11		
VERY STIFF gray/tan SANDY CLAY TILL			3		
			6	2.18 S	17
	70.40		9		
HARD gray SILTY CLAY TILL with dirty SAND lens		-30	4		
			7	6.39 B	18
	67.90		13		
STIFF gray SILTY CLAY			4		
			6	1.31 S	28
	65.40		10		
STIFF gray SILT		-35	6		
			9	1.75 S	23
	62.90		12		
VERY DENSE light gray with brown lines LIMESTONE	61.60		100/4"		
		-40			

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BBS, from 137 (Rev. 8-99)