BORING LOGS

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

SOIL BORING LOG

Page 1 of 1

Date 6/15/09

ROUTE FA 742 DESCRIPTION P92-064-86 IL 2 Retaining Wall, .3 m. N. of Mud Creek Road LOGGED BY W. Garza

SECTION 37 RS-3 LOCATION Rockvale Twp. - 21SW, SEC. , TWP. 24N, RNG. 10E

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

STRUCT. NO.
Station

BORING NO. B-1k
Station 742+00
Offset 13.00ft Rt CL
Ground Surface Elev. 683.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 674.2 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM					
				0.6 P	15.0
	681.70				
VERY STIFF brown SILTY CLAY LOAM			3		
			4	2.7	23.0
	680.20		6	B	
STIFF brown SILTY CLAY LOAM with SAND lens		-5	2		
			3	1.5	24.0
	677.70		6	B	
SOFT gray LOAM			0		
			2	0.3	25.0
			2	B	
	674.70				
DENSE tan weathered LIMESTONE		-10	2		
			5		
			33		
	672.20				
MEDIUM dark gray SILTY CLAY LOAM with ORGANICS			0		
			1	0.9	32.0
	670.20		3	B	
No Recovery		-15	0		
			2		
	667.70		3		
SOFT brown SILTY CLAY LOAM with LIMESTONE fragments			0		
			1	0.4	29.0
			3	B	
	664.70				
		-20	2		
DENSE tan weathered LIMESTONE (continued)			14		
	662.70		30		
DENSE tan weathered LIMESTONE			3		
			16		
	660.20		16		
DENSE tan weathered LIMESTONE		-25	20		
			19		
	657.70		22		
DENSE tan weathered LIMESTONE			20		
			20		
	655.20		22		
MEDIUM tan weathered LIMESTONE		-30	8		
			12		
	652.70		16		
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 Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-2k
Station 742+00
Offset 13.00ft Lt CL
Ground Surface Elev. 683.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 671.7 ft ▼
Upon Completion 671.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM					
				1.0 P	23.0
	682.20				
LOOSE brown dry medium SAND			5		
			5		
			4		
	679.70				
MEDIUM brown medium SAND with SILTY CLAY LOAM		-5	6		
			6	0.8	24.0
			5	P	
	677.20				
MEDIUM tan weathered LIMESTONE			13		
			12		
			10		
	674.70				
MEDIUM tan SILT with LIMESTONE fragments		-10	11		
			6	0.5	19.0
			7	P	
	672.20				
MEDIUM tan weathered LIMESTONE			8		
			8		
	670.20		12		
DENSE tan weathered LIMESTONE		-15	6		
			20		
	667.70		26		
MEDIUM tan weathered LIMESTONE			16		
			16		
	665.20		11		
		-20	9		
MEDIUM tan weathered LIMESTONE (continued)			9		
	662.70		10		
MEDIUM tan weathered LIMESTONE			17		
			21		
	660.20		13		
VERY LOOSE tan weathered LIMESTONE		-25	2		
			1		
	657.70		2		
VERY LOOSE tan weathered LIMESTONE			1		
			0		
	655.20		1		
MEDIUM tan weathered LIMESTONE		-30	6		
			7		
	652.70		8		
End of Boring					
		-40			

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