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-4k
Station 742+96
Offset 14.00ft Lt CL
Ground Surface Elev. 683.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 668.9 ft ▼
Upon Completion 668.9 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM				0.6 P	22.0
	681.40				
STIFF brown SILTY CLAY LOAM with SAND lens			3		
			3	1.1 P	22.0
	679.90		6		
STIFF brown SILTY CLAY LOAM		-5	2		
			2	1.1 B	23.0
			3		
	676.90				
DENSE tan weathered LIMESTONE			4		
			16		
	674.90		24		
MEDIUM tan weathered LIMESTONE		-10	18		
			12		
	672.40		14		
DENSE tan weathered LIMESTONE			13		
			22		
	669.90		25		
DENSE tan weathered LIMESTONE		▼ -15	48		
			25		
	667.40		14		
VERY DENSE tan weathered LIMESTONE			100/2"		
	665.40				
Auger Refusal at 18'					
Borehole continued with rock coring.		-20			

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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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-3k
Station 743+00
Offset 9.00ft Rt CL
Ground Surface Elev. 683.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 666.8 ft ▼
Upon Completion 668.8 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	681.80				
MEDIUM brown dry medium SAND			8		
			11		
	680.30		12		
MEDIUM brown/tan medium SAND		-5	8		
			11		
			7		
	677.30				
MEDIUM dark gray SILTY CLAY LOAM with SAND lens			4		
			4	0.6	29.0
	675.30		4	P	
STIFF dark gray SILTY LOAM		-10	4		
			5	1.8	21.0
	672.80		6	S	
MEDIUM brown SILTY CLAY LOAM			0		
			3	0.6	30.0
	670.30		4	B	
MEDIUM brown SILTY CLAY LOAM		▽ -15	1		
			2	0.7	28.0
	667.80		2	B	
SOFT brown SILT LOAM		▼	0		
			0	0.4	32.0
			3	B	
	664.80				
		-20	22		
DENSE tan weathered LIMESTONE (continued)			18		
	662.80		19		
MEDIUM tan weathered LIMESTONE			7		
			6		
	660.30		13		
DENSE tan weathered LIMESTONE		-25	31		
			35		
	657.80		13		
DENSE tan weathered LIMESTONE			19		
			17		
	655.30		17		
VERY DENSE tan weathered LIMESTONE		-30	12		
			35		
	652.80		21		
End of Boring					
		-35			
		-40			

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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)