BORING LOGS

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

SOIL BORING LOG

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Date 3/2/10

ROUTE FAP 570 DESCRIPTION P92-014-10 Box Culvert on IL 84, .6 m. N. of Council Hill Road LOGGED BY W. Garza

SECTION 101T LOCATION Vinegar Hill - 25SW, SEC. , TWP. 29N, RNG. 1W

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

STRUCT. NO.
Station 0+0

BORING NO. B-2
Station 18' N
Offset 15.00ft W CL
Ground Surface Elev. 881.10 ft

Surface Water Elev. ft
Stream Bed Elev. 87.30 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM	879.10		2		
			3	1.9	27.0
	877.60		4	B	
STIFF brown SILTY CLAY LOAM		-5	3		
			4	1.3	22.0
	875.10		4	P	
STIFF brown SILTY CLAY LOAM			0		
			4	1.1	23.0
	872.60		4	P	
MEDIUM tan SILTY LOAM		-10	1		
			3	0.9	24.0
	870.10		4	P	
STIFF gray SILTY LOAM			3		
			4	1.0	31.0
	867.60		4	P	
STIFF tan CLAY LOAM with LIMESTONE fragments		-15	2		
			5	1.7	48.0
			9	B	
	864.60				
DENSE tan weathered LIMESTONE			11		
			21		
	862.60		25		
		-20	9		
DENSE tan weathered LIMESTONE			21		
			29		
Auger Refusal at 21.5' (continued)	859.60				
End of Boring					

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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Page 1 of 1

Date 3/2/10

ROUTE FAP 570 DESCRIPTION P92-014-10 Box Culvert 043-C001 on IL 84, .6 m. N. of Council Hill Road LOGGED BY W. Garza

SECTION 101T LOCATION Vinegar Hill - 25SW, SEC. , TWP. 29N, RNG. 1W

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

STRUCT. NO. 043-C001
Station 0+0

BORING NO. B-1
Station 14' S.
Offset 15.00ft E CL
Ground Surface Elev. 882.20 ft

Surface Water Elev. ft
Stream Bed Elev. 87.30 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM				0.8	19.0
				P	
	880.20				
STIFF brown SILTY CLAY LOAM			5		
			2	1.5	23.0
	878.70		5	P	
STIFF brown SILTY CLAY LOAM		-5	1		
			5	1.5	24.0
			6	P	
	875.70				
MEDIUM tan weathered LIMESTONE "floater"			23		
			12		
	873.70		6		
No Recovery		-10	4		
			2		
			3		
	870.70				
HARD gray SILTY LOAM			2		
			11	4.5	15.0
	868.70		14	P	
VERY STIFF dark gray SILTY CLAY LOAM		-15	7		
			10	2.9	22.0
	866.20		12	S	
MEDIUM light brown SILTY CLAY LOAM			0		
			2	0.7	31.0
	863.70		4	S	
		-20	10		
MEDIUM tan weathered LIMESTONE (continued)			11		22.0
			8		
	860.70				
DENSE tan weathered LIMESTONE ledge			2		
			9		
			28		
	858.20				
SOFT tan CLAY LOAM with LIMESTONE fragments		-25	3		
			1	0.4	32.0
	856.20		2	P	
MEDIUM tan CLAY LOAM, very little recovery			0		
			0	0.6	29.0
	853.70		3	P	
SOFT tan CLAY LOAM with 19% ORGANICS		-30	0		
			0	0.2	45.0
	851.20		4	B	
VERY SOFT tan LOAM with SAND lens with 18RGANICS			1		
			5	0.4	38.0
			4	S	
	848.20				
VERY DENSE tan weathered LIMESTONE		-35	100/1"		
	846.20				
End of Boring					

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)