BORING LOGS

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

SOIL BORING LOG

Date 8/6/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, 1.5 m. E. of Mississippi River Bridge LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO.
Station

BORING NO. B-1c
Station 131+16
Offset 37.00ft Lt of I-80 EB CL
Ground Surface Elev. 97.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 75.5 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM				0.5 P	19.0
	95.50		3		
STIFF brown SILTY CLAY LOAM			4	1.4 P	23.0
	94.00		5		
MEDIUM brown SILTY CLAY		-5	2		
			2	0.5 B	26.0
	91.50		4		
VERY SOFT tan SILTY LOAM			0		
			1	0.2 B	26.0
	89.00		2		
SOFT gray SILTY LOAM		-10	0		
			2	0.3 P	26.0
	86.50		3		
SOFT tan SILT			0		
			2	0.3 B	25.0
	84.00		3		
VERY SOFT tan SILTY LOAM		-15	0		
			2	0.2 B	26.0
	81.50		3		
VERY SOFT tan SILT			0		
			2	0.2 B	27.0
	79.00		3		
MEDIUM gray/tan SILTY LOAM		-20	0		
MEDIUM gray/tan SILTY LOAM (continued)			2	0.5 B	25.0
	76.50		4		
SOFT gray SILT			1		
			3	0.3 B	26.0
	74.00		4		
SOFT gray SILT		-25	0		
			3	0.4 P	28.0
	71.50		4		
MEDIUM gray SILTY LOAM			0		
			1	0.5 B	29.0
	69.00		3		
STIFF gray SILTY CLAY LOAM		-30	0		
			3	1.0 B	26.0
	66.50		4		
STIFF gray SILTY CLAY LOAM with SAND lens			3		
			4	1.8 B	22.0
	63.50		5		
STIFF gray LOAM TILL with SAND lens		-35	0		
			2	1.3 B	14.0
	61.00		4		
HARD tan CLAY LOAM TILL			3		
			6	4.5 P	17.0
	58.50		12		
		-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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Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF tan CLAY LOAM TILL with COAL			4		
			8	3.3 B	16.0
	56.00		13		
VERY STIFF gray CLAY LOAM TILL			1		
			7	2.7 B	12.0
	53.50		11		
VERY STIFF gray CLAY LOAM TILL		-45	3		
			7	3.1 B	13.0
	51.00		12		
HARD gray CLAY LOAM TILL			5		
			9	4.3 B	12.0
	48.50		13		
VERY STIFF gray CLAY LOAM TILL		-50	5		
			9	3.7 B	13.0
	46.00		13		
HARD gray CLAY LOAM TILL			6		
			10	4.5 B	13.0
	43.50		15		
Wash VERY STIFF gray SILTY CLAY		-55	3		
			9	3.3 B	15.0
	41.00		10		
Wash HARD gray CLAY LOAM TILL			7		
			12	4.5 B	13.0
	38.50		18		
		-60			
HARD gray CLAY LOAM TILL			11		
			14	4.7 B	15.0
	36.00		17		
End of Boring					
		-65			
		-70			
		-75			
		-80			

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