BORING LOGS

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

SOIL BORING LOG

Page 1 of 2

Date 8/5/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, .6 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-1b
Station 85+30
Offset 38.00ft Lt of I-80 EB CL
Ground Surface Elev. 99.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 82.5 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM				0.5 P	10.0
	97.50				
STIFF tan SILTY LOAM			4 4 6	1.6 S	17.0
	96.00				
SOFT tan SILTY LOAM		-5	1 3 4	0.4 B	25.0
	93.50				
MEDIUM tan SILTY LOAM			1 0 2	0.5 S	28.0
	91.00				
MEDIUM tan SILT		-10	0 2 3	0.6 B	26.0
	88.50				
SOFT tan SILT			1 2 4	0.4 B	25.0
	86.00				
SOFT tan SILTY LOAM		-15	1 1 4	0.3 B	26.0
	83.50				
SOFT gray SILTY LOAM			0 1 3	0.4 B	29.0
	81.00				
MEDIUM gray SILTY LOAM		-20	0		
MEDIUM gray SILTY LOAM (continued)			2 3	0.5 B	28.0
	78.50				
MEDIUM gray SILTY LOAM			2 2 5	0.8 B	27.0
	76.00				
MEDIUM gray SILT		-25	2 5 7	0.6 B	26.0
	73.50				
MEDIUM/STIFF gray SILTY CLAY			0 3 4	1.0 B	27.0
	71.00				
STIFF gray SILTY CLAY		-30	1 3 6	1.3 B	26.0
	68.50				
STIFF gray SILTY LOAM			0 3 5	1.2 B	20.0
	65.00				
LOOSE gray dirty fine SAND		-35	1 1 7		
	63.00				
VERY DENSE gray fine SAND			100/6.5"		
	60.50				
		-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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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE gray well-cemented SAND			100/3"		
	58.00				
Wash VERY DENSE gray well-cemented SAND			100/2"		
	55.50				
End of Boring		-45			
		-50			
		-55			
		-60			

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