BORING LOGS

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

SOIL BORING LOG

Date 8/30/06

ROUTE FAP 308 DESCRIPTION P92-060-06 Bridge on IL 84 over Cattail Creek, .9 m. S. of US 30 LOGGED BY W. Garza

SECTION 109 BR-5 LOCATION Garden Plain Twp. - 4 SW, SEC. , TWP. 21N, RNG. 3E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station 1016+04

BORING NO. B-3
Station 1016+67
Offset 11.00ft Lt CL
Ground Surface Elev. 99.30 ft

Surface Water Elev. 85.00 ft
Stream Bed Elev. 84.50 ft

Groundwater Elev.:
First Encounter 79.3 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
18" Asphalt					
moist brown SAND					8.0
	96.80				
LOOSE/MEDIUM brown fine SAND			3		
			4		
	95.30		6		
VERY STIFF redish brown CLAY LOAM with SAND lens		-5	1		
			2	2.5	23.0
	92.80		3	B	
MEDIUM redish brown SANDY LOAM			2		
			1	0.8	13.0
	90.30		4	P	
SOFT dark gray SILTY LOAM		-10	1		
			1	0.4	32.0
	87.80		3	B	
MEDIUM dark gray SILTY LOAM with ORGANICS			0		
			1	0.6	36.0
	85.30		2	B	
MEDIUM gray SILTY LOAM with 8% ORGANICS		-15	1		
			2	0.7	42.0
			2	B	
	82.30				
LOOSE gray moist fine SAND			1		
			3		
	80.30		3		
		▼-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE gray fine SAND			1		
			1		
	77.80		5		
VERY LOOSE/LOOSE gray fine SAND with GRAVEL			1		
			0		
	75.30		4		
LOOSE/MEDIUM gray clean medium coarse SAND with GRAVEL		-25	0		
			2		
	72.80		8		
Wash			6		
MEDIUM gray clean medium coarse SAND with medium GRAVEL			10		
	70.30		14		
MEDIUM gray clean medium coarse SAND with GRAVEL		-30	4		
			5		
			9		
MEDIUM gray clean medium coarse SAND		64.30 -35	4		
			8		
			12		
		59.30 -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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First Encounter 79.3 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash			5		
MEDIUM gray SAND & GRAVEL			6		
			12		
	54.30	-45			
Wash			4		
MEDIUM gray clean medium coarse SAND			7		
			10		
	49.30	-50			
Wash			2		
MEDIUM gray clean medium coarse SAND			7		
			13		
	44.30	-55			
Wash			9		
MEDIUM gray fine SAND with medium GRAVEL			10		
			12		
		39.30 -60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash			1		
MEDIUM gray clean medium coarse SAND			4		
			7		
	34.30	-65			
Wash			3		
MEDIUM gray clean medium coarse SAND with medium GRAVEL			10		
			16		
	29.30	-70			
Wash			10		
DENSE gray clean medium coarse SAND			18		
			20		
	24.30	-75			
Wash			11		
MEDIUM gray clean medium coarse SAND with medium GRAVEL			11		
	22.80		14		
End of Boring					
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)