BORING LOGS

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

SOIL BORING LOG

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Date 3/23/10

ROUTE FAP 22 DESCRIPTION C-92-094-10 IL 78 Box Culvert, .1 m. S. of Wayne Road LOGGED BY W. Garza

SECTION 15T-1 LOCATION Lyndon Twp. - 6NW, SEC. , TWP. 20N, RNG. 5E

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

STRUCT. NO.
Station 756+10

BORING NO. B-1
Station 756+00
Offset 13.00ft Rt CL
Ground Surface Elev. 99.30 ft

Surface Water Elev. ft
Stream Bed Elev. 95.30 ft

Groundwater Elev.:
First Encounter 84.8 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown LOAM	97.30		1		
			2	0.3	19.0
	95.80		3	P	
MEDIUM brown SILTY CLAY LOAM		-5	3		
			3	0.6	37.0
	93.30		5	B	
SOFT brown SILTY CLAY LOAM			2		
			3	1.1	25.0
	90.80		5	B	
STIFF light gray SILTY CLAY LOAM with fine SAND lens		-10	2		
			4	1.3	22.0
	87.80		7	B	
LOOSE gray fine SAND			1		
			2		19.0
	85.80		4		
VERY LOOSE gray fine SAND		▼ -15	2		
			1		
	83.30		2		
VERY LOOSE tan fine SAND			0		
			0		
	80.80		1		
LOOSE/MEDIUM tan fine SAND		-20	2		
LOOSE/MEDIUM tan fine SAND (continued)			4		
			6		
	77.80				
SOFT gray SILTY CLAY			1		
			2	0.4	30.0
	75.80		3	B	
SOFT gray SILTY CLAY		-25	1		
			3	0.4	31.0
	73.30		4	P	
Wash SOFT gray SILT			1		
			2	0.4	33.0
	70.80		3	P	
MEDIUM gray SILT		-30	2		
			2	0.5	28.0
	68.30		3	P	
STIFF gray SILTY CLAY with SILT lens			1		
			3	1.1	34.0
	65.80		4	B	
Same as above		-35	1		
			2	1.3	35.0
	63.30		3	B	
Wash STIFF gray SILTY CLAY with SILT lens			1		
			2	1.2	32.0
	60.80		4	P	
End of Boring		-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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COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 756+10

BORING NO. B-2
Station 756+18
Offset 13.00ft Lt CL
Ground Surface Elev. 99.80 ft

Surface Water Elev. ft
Stream Bed Elev. 85.30 ft

Groundwater Elev.:
First Encounter 84.8 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM				1.8	20.0
				P	
SOFT brown SILTY CLAY LOAM	97.80		0		
			2	0.5	25.0
	96.30		3	B	
SOFT dark brown SILTY CLAY LOAM		-5	2		
			2	0.5	30.0
	93.80		3	B	
MEDIUM dark brown SILTY CLAY LOAM			0		
			2	0.8	28.0
	91.30		4	B	
MEDIUM light gray SILTY CLAY LOAM		-10	2		
			2	0.8	25.0
	88.80		3	B	
LOOSE gray fine SAND			1		
			3		21.0
	85.80		4		
LOOSE gray fine SAND		▼ -15	0		
			3		
	83.80		5		
VERY LOOSE tan fine SAND			0		
			0		
	81.30		1		
VERY LOOSE tan fine SAND		-20	0		
VERY LOOSE tan fine SAND (continued)			0		
			0		
	78.80				
VERY LOOSE tan fine SAND			0		
			0		
	76.30		2		
LOOSE gray fine SAND		-25	0		
			2		
	73.30		4		
MEDIUM gray SILTY CLAY with SAND lens			0		
			1	0.8	33.0
	71.30		3	P	
MEDIUM gray SILTY CLAY		-30	1		
			2	1.0	31.0
	68.80		3	B	
Wash LOOSE gray fine SAND with SILTY CLAY lens			2		
			3		
	66.30		4		
MEDIUM gray SILTY CLAY		-35	2		
			3	1.0	29.0
	63.80		4	B	
Wash STIFF gray SILTY CLAY				1.5	31.0
	61.30			B	
End of Boring		-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)