BORING LOGS

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

SOIL BORING LOG

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Date 4/5/07

ROUTE IL 40 DESCRIPTION P92-052-07 IL 40 culvert, .8 m. S. of E. Timber Lake Road LOGGED BY W. Garza

SECTION LOCATION Salem Twp. - 26SW, SEC. , TWP. 24N, RNG. 5E

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

STRUCT. NO.
Station

BORING NO. B-2
Station 8' N.
Offset 10.00ft W CL
Ground Surface Elev. 99.80 ft

Surface Water Elev. 92.90 ft
Stream Bed Elev. 92.10 ft

Groundwater Elev.:
First Encounter 79.8 ft ▼
Upon Completion 82.8 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
18" Asphalt					
SOFT brown SILTY CLAY LOAM				0.4 P	23.0
	97.30				
STIFF gray/brown SILTY LOAM			3		
			5	1.2	18.0
	95.80		6	P	
VERY STIFF brown SILTY CLAY LOAM		-5	3		
			5	2.1	28.0
	93.30		7	B	
SOFT tan SILTY LOAM			3		
			2	0.4	30.0
	90.80		4	P	
MEDIUM gray/tan SILTY CLAY		-10	2		
			2	0.6	27.0
	88.30		3	B	
MEDIUM gray SILTY LOAM			1		
			3	0.5	27.0
	85.80		4	B	
SOFT gray SILT		-15	1		
			2	0.3	29.0
	83.30		4	P	
▽					
MEDIUM gray SILT with SANDY LOAM lens			1		
			2	0.5	21.0
	80.30		3	B	
▼		-20			
MEDIUM tan weathered LIMESTONE			2		
			6		
	78.30		5		
VERY DENSE tan weathered LIMESTONE			22		
			16		
	75.80		38		
End of Boring		-25			
		-30			
		-35			
		-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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SOIL BORING LOG

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Date 8/14/06

ROUTE IL 40 DESCRIPTION P92-052-07 IL 40 Box Culvert, .6 m. N. of E. Salem Road LOGGED BY W. Garza

SECTION LOCATION Salem Twp. - 26 NW, SEC. , TWP. 24N, RNG. 5E

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

STRUCT. NO.
Station

BORING NO. B-2b
Station 27' S.
Offset 13.00ft W
Ground Surface Elev. 99.80 ft

Surface Water Elev. ___ ft
Stream Bed Elev. ___ ft

Groundwater Elev.:
First Encounter 85.3 ft ▼
Upon Completion 85.3 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Rock				0.3	27.0
SOFT brown SILTY CLAY LOAM				P	
	97.80				
STIFF brown SILTY LOAM			2		
			4	1.6	22.0
	96.30		7	P	
STIFF dark gray SILTY LOAM		-5	2		
			2	1.3	26.0
	93.80		4	B	
MEDIUM black SILTY LOAM			2		
			1	0.5	43.0
	91.30		3	P	
STIFF black SILTY CLAY LOAM		-10	2		
			2	1.2	36.0
	88.80		3	B	
SOFT gray SILTY CLAY			1		
			2	0.4	35.0
	85.80		2	B	
▼		-15	22		
VERY DENSE light gray weathered LIMESTONE			100/6"		
Auger Refusal @ 15.5'	84.30				
End of Boring					
		-20			

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)