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

SOIL BORING LOG

Page 1 of 1

Date 4/7/06

ROUTE IL 251 DESCRIPTION P92-144-05 IL 251 over Spring Creek Road in Rockford LOGGED BY W. Garza

SECTION LOCATION Rockford Twp. - 13NE, SEC. , TWP. 44N, RNG. 1E

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

STRUCT. NO.
Station

BORING NO. B-1b
Station 159+90
Offset 64.00ft Lt CL
Ground Surface Elev. 713.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 701.1 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SANDY LOAM				0.3 P	12.0
	711.10				
VERY LOOSE brown dirty SAND & GRAVEL			3		
			1		
			2		
	709.10				
MEDIUM brown SANDY LOAM		-5	1		
			1	0.6 P	16.0
			2		
	707.10				
VERY STIFF tan SILTY CLAY LOAM TILL			3		
			6	2.2 B	10.0
			9		
	704.60				
MEDIUM tan SILTY CLAY LOAM TILL		-10	2		
			3	0.8 B	13.0
			3		
	701.60				
LOOSE/MEDIUM tan SAND & GRAVEL	▼		3		
			4		
			6		
	699.60				
MEDIUM tan SAND & GRAVEL		-15	6		
			7		
			9		
	697.10				
MEDIUM tan SAND & GRAVEL			13		
			12		
			14		
	694.60				
		-20			
Wash			12		
MEDIUM/DENSE tan SAND & GRAVEL			13		
			17		
	692.10				
DENSE tan clean medium coarse SAND			20		
			15		
			17		
	689.60				
DENSE tan fine SAND		-25	7		
			8		
			30		
	687.10				
Wash			20		
DENSE tan SAND & GRAVEL			22		
			24		
	684.60				
Wash		-30	18		
VERY DENSE tan clean medium coarse SAND			24		
			32		
	682.10				
Wash			14		
DENSE tan clean medium coarse SAND			20		
			24		
	679.60				
Wash		-35	10		
VERY DENSE tan fine SAND			25		
			47		
	677.10				
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)

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

SOIL BORING LOG

Page 1 of 1

Date 4/10/06

ROUTE IL 251 DESCRIPTION P92-144-05 IL 251 bridge over Spring Creek LOGGED BY W. Garza

SECTION LOCATION Rockford Twp. - 13NE, SEC. , TWP. 44N, RNG. 1E

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

STRUCT. NO.
Station

BORING NO. B-2b
Station 160+00
Offset 75.00ft Rt
Ground Surface Elev. 714.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 702.3 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM				0.5 P	10.0
	712.30				
SOFT brown SANDY LOAM			3		
			3	0.4 S	13.0
			4		
	710.30				
MEDIUM tan SAND & GRAVEL		-5	6		
			6		
			10		
	708.30				
MEDIUM tan SAND & GRAVEL			9		
			11		
			14		
	705.80				
DENSE tan moist SAND & GRAVEL		-10	30		
			24		
			16		
	703.30				
MEDIUM tan dirty SAND & GRAVEL	▼		5		
			5		
			7		
	700.80				
DENSE tan dirty SAND & GRAVEL		-15	6		
			10		
			25		
	698.30				
MEDIUM tan SAND & GRAVEL			16		
			14		
			12		
	695.80				
		-20			
MEDIUM tan clean medium coarse SAND			4		
			5		
			21		
	693.30				
MEDIUM tan clean medium SAND & GRAVEL			3		
			4		
			9		
	690.80				
Wash		-25	9		
DENSE tan fine SAND			17		
			25		
	688.30				
Wash			18		
VERY DENSE tan fine SAND			34		
			43		
	685.80				
Wash		-30	12		
DENSE Tan fine SAND			20		
			21		
	683.30				
Wash			19		
VERY DENSE tan clean medium coarse SAND			38		
			66		
	680.80				
End of Boring					
		-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)