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

SOIL BORING LOG

Date 4/12/06

ROUTE IL 251 DESCRIPTION P92-144-05 IL 251 bridge over Spring Creek Road 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-4b
Station 158+12
Offset 48.00ft Rt
Ground Surface Elev. 736.50 ft

Surface Water Elev. ft
Stream Bed Elev. 714.00 ft

Groundwater Elev.:
First Encounter 701.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DENSE tan SAND and medium GRAVEL			16		
			17		
	695.00		21		
VERY DENSE tan clean medium coarse SAND			17		
			23		
	692.50		29		
Wash		-45	20		
VERY DENSE tan clean medium coarse SAND			31		
	690.00		42		
End of Boring					
		-50			
		-55			
		-60			

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

STRUCT. NO.
Station

BORING NO. B-5b
Station 160+94
Offset 87.00ft Rt CL
Ground Surface Elev. 716.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 701.5 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SANDY LOAM				0.5 P	11.0
	714.00				
MEDIUM brown dirty SAND & GRAVEL			5		
			6		
	712.50		5		
LOOSE brown dirty SAND		-5	3		
			3		
	710.00		3		
VERY LOOSE brown moist SAND and medium GRAVEL			2		
			1		
			1		
	707.00				
VERY LOOSE tan fine SAND with LOAM TILL lens		-10	1		
			1	0.3 P	12.0
	705.00		2		
MEDIUM tan LOAM TILL			3		
			6	0.9 B	13.0
			6		
	702.00				
DENSE tan clean medium coarse SAND		▼ -15	8		
			10		
	700.00		23		
VERY DENSE tan SAND & GRAVEL			44		
			22		
	697.50		32		
		-20			
VERY DENSE tan clean medium coarse SAND			23		
			25		
	695.00		37		
VERY DENSE tan clean medium SAND with medium GRAVEL			25		
			39		
	692.50		59		
DENSE tan clean medium coarse SAND		-25	14		
			22		
	690.00		27		
End of Boring					
		-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)