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

SOIL BORING LOG

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Date 4/11/06

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-3b
Station 158+14
Offset 58.00ft Lt
Ground Surface Elev. 714.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 702.2 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY SOFT brown LOAM				0.2 P	12.0
	712.70				
MEDIUM tan SAND & GRAVEL			11		
			11		
	710.70		11		
		-5			
DENSE tan SAND & GRAVEL			16		
			17		
	708.20		23		
VERY DENSE tan SAND & GRAVEL			19		
			28		
	705.70		26		
		-10			
DENSE tan moist SAND & GRAVEL			20		
			25		
	703.20		23		
		▼			
DENSE tan SAND & GRAVEL			17		
			16		
	700.70		18		
		-15			
DENSE tan clean medium coarse SAND			28		
			19		
	698.20		17		
MEDIUM tan SAND & GRAVEL			12		
			12		
	695.70		17		
		-20			
Wash			11		
DENSE tan fine SAND			13		
	693.20		20		
Wash			11		
DENSE tan clean medium coarse SAND			18		
	690.70		27		
		-25			
VERY DENSE tan fine SAND			10		
			20		
	688.20		35		
Wash			11		
DENSE tan clean medium coarse SAND			19		
	685.70		18		
		-30			
VERY DENSE tan clean medium coarse SAND with SILTY lens			11		
			20		
	683.20		45		
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 2

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 (%)
12" Asphalt & Concrete					
SOFT brown LOAM				0.3 P	12.0
	734.00				
MEDIUM tan SAND and medium GRAVEL			4		
			6		
	732.50		10		
		-5			
STIFF gray SANDY LOAM			9		
			10	2.0 P	10.0
	730.00		7		
STIFF gray/tan SANDY LOAM			4		
			2	1.1 P	14.0
	727.50		7		
		-10			
STIFF tan SANDY LOAM			25		
			13	1.4 S	11.0
	725.00		9		
STIFF redish brown SANDY CLAY LOAM			3		
			2	1.8 P	14.0
	722.00		5		
		-15			
MEDIUM tan dry SAND			7		
			8		
	720.00		14		
VERY DENSE tan SAND & GRAVEL			11		
			17		
	717.50		35		
		-20			
VERY DENSE tan SAND & GRAVEL			31		
			30		
	715.00		44		
DENSE tan clean medium coarse SAND			19		
			21		
	712.50		21		
		-25			
VERY DENSE tan SAND & GRAVEL			36		
			100/11"		
	710.00				
VERY DENSE tan SAND & GRAVEL			35		
			38		
	707.50		67		
		-30			
VERY DENSE tan SAND & GRAVEL			100/6.5"		
	705.00				
VERY DENSE tan moist SAND & GRAVEL			21		
			45		
	702.50		32		
		▼ -35			
VERY DENSE tan SAND & GRAVEL			31		
			27		
	700.00		28		
DENSE tan SAND & GRAVEL			25		
			21		
	697.50		20		
		-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)

FILE NAME = c:\pw_work\pwidot\goffjl\dms41657\d214405-sht-cover.dgn	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			*	1-HBR & 1-2HB-D	WINNEBAGO	216	54
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64B79		
	PLOT DATE = Tue Aug 31 11:19:13 2010	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

* F.A.P. 303 & F.A.U. 5146