

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
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.	DEPTH	B	L	U	M	Surface Water Elev.	DEPTH	B	U	M
Station	ft	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
12" Asphalt & Concrete						714.0	31			
SOFT brown LOAM		0.3		12		715.00	30			
		P					44			
MEDIUM tan SAND and medium GRAVEL	734.00	4	6			712.50	19			
	732.50	10					21			
STIFF gray SANDY LOAM		9	10	2.0	10		38			
	730.00	7				710.00	00/11			
STIFF gray/tan SANDY LOAM		4	2	1.1	14		35			
	727.50	7				707.50	38			
							67			
STIFF tan SANDY LOAM		25	13	1.4	11		30/6.5			
	725.00	9				705.00				
STIFF reddish brown SANDY CLAY LOAM		3	2	1.8	14		21			
	722.00	5				702.50	45			
							32			
MEDIUM tan dry SAND		7	8				31			
	720.00	14				700.00	27			
							28			
VERY DENSE tan SAND & GRAVEL		11	17				25			
	717.50	35				697.50	21			
							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 T208)
Figure 3 Sheet 5 of 7

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Station	ft	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
DENSE tan SAND and medium GRAVEL		16	17			714.0	16			
	695.00	21					17			
VERY DENSE tan clean medium coarse SAND		17	23				23			
	692.50	29					29			
Wash		20					20			
VERY DENSE tan clean medium coarse SAND		31					31			
	690.00	42					42			
End of Boring										

Figure 3 Sheet 6 of 7

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 T208)
BBS, from 137 (Rev. 8-99)

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STRUCT. NO.	DEPTH	B	L	U	M	Surface Water Elev.	DEPTH	B	U	M
Station	ft	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
MEDIUM brown SANDY LOAM		0.5		11		714.0	23			
		P					25			
							37			
MEDIUM brown dirty SAND & GRAVEL	714.00	5	6			695.00	19			
	712.50	5					25			
							39			
LOOSE brown dirty SAND		3	3				59			
	710.00	3					14			
							22			
							27			
VERY LOOSE brown moist SAND and medium GRAVEL		2	1							
	707.00	1								
VERY LOOSE tan fine SAND with LOAM TILL lens		1	1	0.3	12					
	705.00	2								
MEDIUM tan LOAM TILL		3	6	0.9	13					
	702.00	6								
DENSE tan clean medium coarse SAND		8	10							
	700.00	23								
VERY DENSE tan SAND & GRAVEL		44	22							
	697.50	32								

Figure 3 Sheet 7 of 7

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 T208)
BBS, from 137 (Rev. 8-99)

DESIGNED - JY
CHECKED - GSP
DRAWN - MJB
CHECKED - JY

BORING LOGS (2 OF 2)
STRUCTURE NO. 101-0190

SHEET NO. 61	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	1-HBR & 1-2HB-D	WINNEBAGO	216	116
61 SHEETS	IL RTE 251 & FOREST HILLS RD		CONTRACT NO. 64B79		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

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