

SOIL BORING LOGS



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

SOIL BORING LOG

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Date 1/25/06

ROUTE FA 742 DESCRIPTION P-92-136-94 Box Culvert Ext. - IL 2 - 300' S. of Clifton Avenue LOGGED BY J. Stratling

SECTION 40 LOCATION Rockford Twp. - 34SW, SEC. , TWP. 44N, RNG. 1E

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

STRUCT. NO.	DEPTH	B	U	M	Surface Water Elev.	ft
Station	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev.	ft
340+58.5					Dry	
BORING NO. B-1					Groundwater Elev.:	
Station 339+91					First Encounter	Dry
Offset 36.00ft Rt CL					Upon Completion	Dry
Ground Surface Elev. 100.00					After	Hrs.
MEDIUM brown SILTY CLAY LOAM			0.5	18.0		
			P			
98.00		5				
VERY STIFF brown CLAY LOAM with LIMESTONE fragments		6	3.0	17.0		
96.50		7	P			
STIFF dark brown LOAM with LIMESTONE fragments		5				
94.00		5	1.3	10.0		
		5	P			
STIFF brown SILTY LOAM		2				
91.00		3	2.0	18.0		
		5	P			
MEDIUM tan/brown clean medium SAND with GRAVEL		5				
88.50		5				
		9				
VERY DENSE tan weathered LIMESTONE		15				
86.50		100/8				
VERY DENSE tan weathered LIMESTONE		100/3				
84.00						
VERY DENSE tan weathered LIMESTONE		100/5				
81.50						
End of Boring						

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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Date 3/9/10

ROUTE FA 742 DESCRIPTION P-92-136-94 Box Culvert, .4 m. S. of Harrison Avenue LOGGED BY w

SECTION 40 LOCATION Rockford Twp. - 3NW, SEC. , TWP. 43N, RNG. 1E

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

STRUCT. NO.	DEPTH	B	U	M	Surface Water Elev.	ft
Station	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev.	ft
294+92						
BORING NO. B-1b					Groundwater Elev.:	
Station 294+49					First Encounter	65.0
Offset 30.00ft Lt CL					Upon Completion	64.5
Ground Surface Elev. 100.00					After	Hrs.
STIFF dark brown SILTY LOAM						
78.50		4	1.8	27.0		
		6	P			
98.00		1				
STIFF dark gray LOAM		2	1.8	16.0		
96.50		5	P			
MEDIUM brown SANDY LOAM						
75.50		1				
		4	0.9	15.0		
		7	S			
SOFT dark gray SANDY LOAM						
94.00		4	0.3	17.0		
		6	P			
MEDIUM brown dirty SAND						
73.00		1				
		5				
		7				
VERY STIFF dark gray SANDY LOAM						
91.50		6	3.5	17.0		
		8	P			
STIFF brown SANDY LOAM						
70.50		1				
		4	1.4	27.0		
		3	P			
VERY STIFF dark gray SILTY CLAY LOAM						
88.50		4	2.5	19.0		
		5	P			
10						
VERY LOOSE brown moist dirty SAND						
68.50		1				
		1				
		2				
MEDIUM tan weathered LIMESTONE						
66.00		3				
		11				
		18				
DENSE tan weathered LIMESTONE						
63.50		20				
		20				
		18				
MEDIUM brown dirty SAND						
83.00		4				
		5				
		8				
VERY DENSE tan weathered LIMESTONE						
61.00		2				
		4	1.3	31.0		
		7	S			
STIFF brown SILTY LOAM						
81.00						
End of Boring						

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)