

# SOIL BORING LOGS



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

## SOIL BORING LOG

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Date 11/23/10

ROUTE FAP 742 DESCRIPTION D92-015-00 IL 2 culvert, 350' S. of US 20 Bypass LOGGED BY W. Garza  
SECTION 34R LOCATION Rockford Twp. - 10NW, SEC. , TWP. 43N, RNG. 1E  
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.		D	B	U	M	Surface Water Elev. _____ ft
Station <u>243+41</u>		E	L	C	O	Stream Bed Elev. <u>92.40</u> ft
		P	O	S	I	
BORING NO. <u>B-1b</u>		T	W	Qu	S	Groundwater Elev.:
Station <u>243+59</u>		H	S		T	First Encounter _____ ft
Offset <u>50.00ft Lt CL</u>						Upon Completion <u>Dry</u> ft
Ground Surface Elev. <u>97.00</u> ft		(ft)	(/6")	(tsf)	(%)	After _____ Hrs. _____ ft

95.00						
MEDIUM tan clean medium coarse SAND	9					
93.50	11					
93.50	16					
VERY DENSE tan SANDY GRAVEL	16					
91.00	-5					
91.00	24					
91.00	28					
VERY DENSE tan SANDY GRAVEL	20					
88.50	28					
88.50	36					
VERY DENSE tan SANDY GRAVEL	16					
86.00	-10					
86.00	21					
86.00	35					
End of Boring						
-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 T206)  
BBS, from 137 (Rev. 8-99)



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

STRUCT. NO.		D	B	U	M	Surface Water Elev. _____ ft
Station <u>243+41</u>		E	L	C	O	Stream Bed Elev. <u>3.80</u> ft
		P	O	S	I	
BORING NO. <u>B-2b</u>		T	W	Qu	S	Groundwater Elev.:
Station <u>243+17</u>		H	S		T	First Encounter _____ ft
Offset <u>43.50ft Rt CL</u>						Upon Completion <u>Dry</u> ft
Ground Surface Elev. <u>96.20</u> ft		(ft)	(/6")	(tsf)	(%)	After _____ Hrs. _____ ft

75.20						
LOOSE tan clean medium coarse SAND (continued)	3					
75.20	6					
STIFF brown CLAY LOAM	3					
94.20	3					
94.20	1.5					
92.70	4					
92.70	P					
SOFT tan SANDY LOAM	2					
89.70	-5					
89.70	2					
89.70	0.3					
89.70	P					
LOOSE tan dirty SAND	3					
87.70	4					
87.70	5					
MEDIUM tan SANDY GRAVEL	6					
85.20	-10					
85.20	8					
85.20	12					
LOOSE tan clean medium coarse SAND, moist	5					
82.70	3					
82.70	4					
End of Boring	9					
62.70	16					
62.70	26					
MEDIUM tan clean medium coarse SAND	7					
80.20	-15					
80.20	12					
80.20	11					
MEDIUM tan clean medium coarse SAND, moist	6					
77.70	6					
77.70	7					
-20	2					

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