

# 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. Station	D E P T H S	B L O C K S	U C S Qu	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O C K S	U C S Qu	M O I S T U R E
340+58.5					Dry ft 83.00 ft				
B-2 340+65					Groundwater Elev.: First Encounter Upon Completion After Hrs.				
40.00ft Rt CL 98.30									
MEDIUM brown SANDY LOAM			0.8 P	15.0					
					76.80				
LOOSE brown dirty SAND & GRAVEL with CONCRETE fragments	95.80	2					100/1		
		1							
	94.30	3							
MEDIUM brown SILTY CLAY LOAM with CONCRETE fragments		1							
	-5	4	0.5 P	23.0					
	91.80	4							
LOOSE tan clean medium SAND with GRAVEL		3							
	89.80	4							
		1							
LOOSE tan clean medium SAND with GRAVEL & CONCRETE fragments	-10	3							
	87.30	3							
		4							
MEDIUM brown dirty SAND & GRAVEL with CONCRETE & LIMESTONE fragments		4							
	84.80	5							
		6							
No Recovery	-15	3							
	81.80	3							
		3							
MEDIUM black LOAM		1							
	79.80	2	0.6 B	22.0					
		3							
	-20	1							

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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## SOIL BORING LOG

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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. Garza

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. Station	D E P T H S	B L O C K S	U C S Qu	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O C K S	U C S Qu	M O I S T U R E
294+92					ft 73.00 ft				
B-2b 295+26					Groundwater Elev.: First Encounter Upon Completion After Hrs.				
23.00ft Rt CL 99.50									
5.3" Asphalt 10.0" Concrete									
	97.00	1							
VERY STIFF gray SILTY CLAY LOAM		4	3.3 P	20.0					
	95.50	5							
		3							
MEDIUM dark brown LOAM	-5	3	0.7 B	20.0					
	93.00	4							
		1							
VERY STIFF dark brown LOAM		5	2.1 B	17.0					
	90.50	5							
		2							
STIFF brown LOAM	-10	5	1.7 B	19.0					
	87.50	8							
		2							
MEDIUM light brown dirty SAND		6							
	85.50	5							
		2							
LOOSE light brown dirty SAND	-15	4							
	82.50	4							
		1							
STIFF brown SILTY CLAY LOAM		3	1.7 B	20.0					
	80.50	5							
		1							
	-20	1							

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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 =	USER NAME = poto	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP 742 (IL 2) SOIL BORING LOGS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
G:\2010\TRANS\B107001\DRG\Boring Logs\01500-BORING LOGS.dgn	PLOT SCALE = 1.0000" / 1" IN.	DRAWN -	REVISED -			742	34R	WINNEBAGO	491	324
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -			SCALE: N/A	SHEET NO. 8 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 64515
		DATE -	REVISED -							(ILLINOIS) FED. AID PROJECT