BORING LOG B-4

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

SOIL BORING LOG

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ROUTE FAP 303 DESCRIPTION P92-123-00 IL 173, Box Culvert, 700' E. of IL 251, Machesney Park Date 1/24/05
SECTION 129R LOCATION Harlem Twp. - 20 NW, SEC., TWP. 45N, RNG. 2E LOGGED BY W. Garza
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. ____
Station ____
BORING NO. B-4
Station 2151+73
Offset 104.00ft Rt CL
Ground Surface Elev. 98.40 ft

Surface Water Elev. 91.20 ft
Stream Bed Elev. 91.20 ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
0		0.5 P	8.0	MEDIUM dark brown SANDY LOAM
96.40	3			
	5	0.5 P	11.0	MEDIUM dark brown SANDY LOAM
94.40	6			
-5	6			MEDIUM brown/tan SAND & GRAVEL
	8			
92.40	11			
	8			MEDIUM tan clean medium SAND
	11			
89.90	10			
-10	5			MEDIUM tan SAND & GRAVEL
	7			
87.40	10			
	5			MEDIUM tan SAND & GRAVEL
	6			
84.90	8			
-15	9			MEDIUM tan SAND & GRAVEL
	10			
82.40	18			
	17			DENSE tan SAND & GRAVEL, dry
	20			
79.90	25			
-20	13			MEDIUM tan SAND & GRAVEL
	11			MEDIUM tan SAND & GRAVEL (continued)
77.40	11			
	3			MEDIUM tan fine SAND
	5			
74.90	8			
				End of Boring
-30				
-35				
-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)

BORING LOG B-5

Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

Page 1 of 1

ROUTE FAP 303 DESCRIPTION P92-123-00 IL 173, Box Culvert, 700' E. of IL 251, Machesney Park Date 1/24/05
SECTION 129R LOCATION Harlem Twp. - 20 NW, SEC., TWP. 45N, RNG. 2E LOGGED BY W. Garza
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. ____
Station ____
BORING NO. B-5
Station 2151+10
Offset 116.00ft Rt CL
Ground Surface Elev. 98.90 ft

Surface Water Elev. 91.20 ft
Stream Bed Elev. 91.20 ft
Groundwater Elev.:
First Encounter 73.9 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
0		0.5 P	8.0	MEDIUM dark brown SANDY LOAM
96.90	1			
	3	0.8 P	13.0	MEDIUM dark brown SANDY LOAM
95.40	5			
-5	5			MEDIUM dark brown SANDY LOAM
	3	0.6 P	12.0	
	5			
92.40				
	14			DENSE brown medium SAND
	14			
90.40	18			
-10	6			MEDIUM brown SAND & GRAVEL
	6			
87.90	7			
	5			MEDIUM tan fine SAND
	5			
85.40	6			
-15	5			MEDIUM tan SAND & GRAVEL
	11			
82.90	18			
	6			MEDIUM tan SAND & GRAVEL
	8			
80.40	10			
-20	5			MEDIUM tan SAND & GRAVEL
	4			MEDIUM tan clean medium SAND (continued)
77.90	8			
				MEDIUM tan clean medium SAND
	15			
	11			
75.40	11			
				LOOSE tan fine SAND
▼-23.10	3			
	3			
72.90	5			
	2			LOOSE tan fine SAND
	3			
70.40	4			
-30	3			Wash
	6			MEDIUM tan clean medium SAND
67.90	10			
				End of Boring
-35				
-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 = ...\D264987-2051-006-BoringLogs2.dgn	USER NAME = SAW	DESIGNED - JLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS 2 IL 173 OVER WILLOW CREEK TRIBUTARY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PMM	REVISED -			303	129K-1	WINNEBAGO	401	277
	PLOT SCALE = 0:2.0000 ' ' / IN.	DRAWN - SAW	REVISED -			S.N. 101-2051		CONTRACT NO. 64987		
	PLOT DATE = 12/29/2010	CHECKED - JLA	REVISED -		SHEET NO. 6 OF 6 SHEETS	ILLINOIS	FED. AID PROJECT			