

BORING LOGS



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

SOIL BORING LOG

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Date 7/25/06

ROUTE IL 73 DESCRIPTION P92-029-07 culvert, .1 m. N. of Mound Road LOGGED BY W. Garza

SECTION LOCATION Kent Twp. - 16 SW, SEC., TWP. 27N, RNG. 6E

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

STRUCT. NO. 089-1035
Station
BORING NO. B-1a
Station 17' S.
Offset 11.00ft E of Culv. CL
Ground Surface Elev. 99.80 ft

Surface Water Elev. 97.10 ft
Stream Bed Elev. 95.50 ft
Groundwater Elev.:
First Encounter 79.8 ft
Upon Completion 88.8 ft
After Hrs.

DEPTH (ft)	B	U	M	SOIL DESCRIPTION	DEPTH (ft)	B	U	M
0				Asphalt	0			
0.3	0.3	24.0		SOFT brown SILTY CLAY LOAM	0.3	0.3	24.0	
97.30	1			SOFT dark gray SILTY LOAM	97.30	1		
95.80	2	0.4	34.0	VERY STIFF gray SILTY CLAY TILL with weathered LIMESTONE fragments	95.80	2	0.4	34.0
93.30	3			MEDIUM black SILTY CLAY LOAM with 11% ORGANICS	93.30	3		
90.80	2	0.6	49.0	MEDIUM gray SILTY CLAY	90.80	2	0.6	49.0
70.30	1	0.7	33.0	MEDIUM gray SILTY CLAY	70.30	1	0.7	33.0
68.30	1	0.8	27.0	MEDIUM gray SILTY CLAY LOAM	68.30	1	0.8	27.0
65.80	3	1.2	24.0	STIFF gray SILTY CLAY LOAM	65.80	3	1.2	24.0
82.80	4	0.9	14.0	MEDIUM gray SILTY LOAM TILL	82.80	4	0.9	14.0
80.30	4	0.4	21.0	SOFT light gray SILT	80.30	4	0.4	21.0

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 7/27/06

ROUTE IL 73 DESCRIPTION P92-029-07 culvert, .15 m. N. of Mound Road LOGGED BY W. Garza

SECTION LOCATION Kent Twp. - 16 SW, SEC., TWP. 27N, RNG. 6E

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

STRUCT. NO. 089-1034
Station
BORING NO. B-1b
Station 16' S.
Offset 10.00ft E. of Culv. CL
Ground Surface Elev. 99.60 ft

Surface Water Elev. ft
Stream Bed Elev. 93.70 ft
Groundwater Elev.:
First Encounter None ft
Upon Completion 84.6 ft
After Hrs.

DEPTH (ft)	B	U	M	SOIL DESCRIPTION	DEPTH (ft)	B	U	M
0				Asphalt	0			
0.8	0.8	22.0		MEDIUM gray SILTY CLAY LOAM	0.8	0.8	22.0	
97.10	5			VERY STIFF gray SILTY LOAM	97.10	5		
95.60	5	2.5	17.0	MEDIUM gray SILTY CLAY LOAM	95.60	5	2.5	17.0
73.10	3	0.4	27.0	SOFT gray SILTY LOAM	73.10	3	0.4	27.0
70.10	2	1.0	28.0	STIFF dark gray SILTY CLAY LOAM	70.10	2	1.0	28.0
68.10	1	0.9	28.0	MEDIUM gray SILTY CLAY LOAM	68.10	1	0.9	28.0
85.60	2	1.0	17.0	SOFT tan SILTY CLAY LOAM with weathered LIMESTONE fragments	85.60	2	1.0	17.0
83.10	12	3.3	15.0	VERY STIFF gray/tan SILTY CLAY LOAM TILL with weathered LIMESTONE lens	83.10	12	3.3	15.0
80.60	3			STIFF gray SILTY CLAY	80.60	3		

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