BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 6/12/06

ROUTE FAP 17 DESCRIPTION P92-078-06 Box culvert, IL 64 over a ditch, .2 m. W. of Shannon Road LOGGED BY W. Garza

SECTION 15 T-2 LOCATION Rock Creek Twp. - 1 SE, SEC. , TWP. 24N, RNG. 6E

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

STRUCT. NO.
Station

BORING NO. B-1b
Station 19' W
Offset 9.00ft S CL
Ground Surface Elev. 99.6 ft

Surface Water Elev. ft
Stream Bed Elev. 90.0 ft

Groundwater Elev.:
First Encounter 87.1 ft ▼
Upon Completion ft
After 24 Hrs. 95.6 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14" Asphalt & Concrete					
SOFT brown SILTY CLAY LOAM				0.4 P	25
	97.10				
STIFF brown SILTY CLAY LOAM			3 3 6	2.1 P	22
	95.60 ▽				
		-5			
MEDIUM dark brown SILTY LOAM			1 1 1	0.6 P	37
	93.10				
SOFT dark brown SILTY LOAM with 17% ORGANICS			1 1 2	0.3 B	77
	90.60				
		-10			
MEDIUM gray SILTY CLAY TILL			1 1 2	.8 P	16
	88.10				
	▼				
VERY SOFT gray SILTY LOAM TILL			3 2 4	0.2 B	14
	85.60				
		-15			
STIFF gray SILTY LOAM TILL			2 2 3	1.1 B	18
	83.10				
MEDIUM gray SILTY CLAY TILL			1 2 4	0.8 B	17
	80.60				
		-20			
STIFF gray SILTY CLAY TILL			3 3 5	1.2 B	18
	78.10				
STIFF gray SILTY CLAY TILL			3 3 5	1.0 B	17
	75.60				
		-25			
STIFF gray SILTY CLAY TILL			2 3 4	1.1 B	18
	73.10				
STIFF gray SILTY CLAY TILL			2 4 6	1.7 B	18
	70.60				
		-30			
STIFF gray SILTY CLAY TILL			3 5 7	1.4 B	16
	68.10				
STIFF gray SILTY CLAY TILL			4 5 8	1.5 B	15
	65.60				
		-35			
STIFF gray SILTY CLAY LOAM TILL			3 3 6	1.0 B	17
	63.10				
STIFF gray SILTY CLAY LOAM TILL with SAND lens			2 10 6	1.4 B	14
	60.60				
		-40			
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 6/13/06

ROUTE FAP 17 DESCRIPTION P92-078-06 Box culvert, IL 64 over ditch, .2 m. W. of Shannon Road LOGGED BY W. Garza

SECTION 15 T-2 LOCATION Rock Creek Twp. - 1 SE, SEC. , TWP. 24N, RNG. 6E

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

STRUCT. NO.
Station

BORING NO. B-2b
Station 24' E
Offset 31.00ft N CL
Ground Surface Elev. 95.3 ft

Surface Water Elev. ft
Stream Bed Elev. 90.0 ft

Groundwater Elev.:
First Encounter 83.3 ft ▼
Upon Completion 78.3 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM				1.1 P	35
	93.30				
MEDIUM dark brown SILTY LOAM with 11% ORGANICS			2 2 2	0.5 P	46
	91.80				
SOFT gray SILTY CLAY		-5	2 2 2	0.4 B	30
	89.30				
SOFT gray SILTY LOAM			1 2 2	0.3 B	38
	86.80				
		-10			
SOFT gray SILTY LOAM with SAND lens			1 2 3	0.3 B	35
	84.30				
	▼				
MEDIUM olive green SILTY CLAY TILL			1 2 2	0.9 B	19
	81.80				
STIFF gray SILTY CLAY TILL		-15	2 4 4	1.2 B	19
	79.30				
	▽				
STIFF gray SILTY CLAY TILL with SAND lens			4 5 7	1.0 B	16
	76.30				
MEDIUM gray fine SAND		-20			
MEDIUM gray fine SAND (continued)			3 6 10		
	73.80				
STIFF gray SILT with SAND & GRAVEL lens			13 17 13	1.1 P	20
	71.80				
STIFF gray SILTY CLAY		-25	4 6 6	1.8 B	27
	69.30				
MEDIUM gray SILTY CLAY			3 4 6	0.8 B	29
	66.80				
MEDIUM gray SILTY CLAY		-30	2 3 6	0.6 B	28
	64.30				
VERY SOFT gray SILTY CLAY			1 2 3	0.2 B	27
	61.80				
SOFT gray SILTY CLAY		-35	2 2 3	0.3 B	26
	59.30				
	56.80				
		-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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

BORING LOGS

PLOT DATE = Mon Jan 28 07:44:38 2008
FILE NAME = C:\Projects\p-267986\d878861logs.dgn
PLOT SCALE = 200.0000 ' / IN.
USER NAME = herscrke