BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 5/21/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, 600' W. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO.
Station 198+75

BORING NO. B-2c
Station 198+65
Offset 19.00ft Lt CL
Ground Surface Elev. 640.2 ft

Surface Water Elev. ft
Stream Bed Elev. 635.6 ft

Groundwater Elev.:
First Encounter 623.2 ft ▼
Upon Completion Dry ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-90.360098 41.456100 SOFT light brown SILTY CLAY LOAM	638.20			0.3 P	16
STIFF tan SILTY LOAM	636.70		2 3 4	1.8 B	23
VERY STIFF gray SILTY CLAY	634.20	-5	3 4 6	2.9 B	20
STIFF gray SILT	631.20		3 5 5	1.6 P	20
MEDIUM black LOAM with 15% ORGANICS	628.70	-10	1 1 4	0.8 P	56
MEDIUM gray SILTY LOAM	626.70		0 1 2	0.7 B	26
VERY SOFT light gray SILTY LOAM	623.70	-15	0 1 2	0.1 P	29
DENSE gray TILL	621.70	▼	10 17 28		8
HARD gray TILL		-20	7		
HARD gray TILL (continued)	619.20		17 27	5.2 S	8
VERY STIFF gray TILL	616.20		12 14 19	3.0 S	7
VERY STIFF light gray SHALE	614.20	-25	8 13 21	3.5 S	12
DENSE gray SHALE	611.70		5 11 21		
VERY DENSE gray SHALE	609.20	-30	18 25 27		
End of Boring		-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)

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SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E, PM

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

STRUCT. NO.
Station 198+75

BORING NO. B-1c
Station 198+87
Offset 32.00ft Rt CL
Ground Surface Elev. 639.5 ft

Surface Water Elev. ft
Stream Bed Elev. 635.6 ft

Groundwater Elev.:
First Encounter 624.0 ft ▼
Upon Completion Dry ft ▽
After ___ Hrs. ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-90.358317 41.456013 VERY SOFT light brown SILTY CLAY LOAM	637.50			0.2 P	21
MEDIUM light brown SILTY CLAY LOAM	636.00		2 2 4	0.9 B	26
STIFF gray SILTY LOAM	633.50	-5	2 2 3	1.2 P	24
VERY SOFT gray SILTY LOAM	631.00		1 1 3	0.2 P	29
STIFF gray/tan SILTY CLAY	628.00	-10	1 3 4	1.2 B	26
VERY STIFF tan TILL	626.00		2 5 8	2.5 B	11
HARD gray TILL with moist SAND lens	623.50	-15	8 13 18	4.5+ P	9
HARD gray TILL	620.50		13 16 23	5.3 S	7
VERY STIFF gray SHALEY CLAY		-20	6		
VERY STIFF gray SHALEY CLAY (continued)	618.00		7 11	3.9 B	14
DENSE gray SHALE	616.00		8 15 21		
DENSE gray SHALE	613.50	-25	5 18 18		
VERY DENSE gray SHALE	611.00		10 24 29		
		-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)