BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/6/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 400' E. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 23NW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO.
Station 208+87

BORING NO. B-1b
Station 208+56
Offset 27.50ft Rt CL
Ground Surface Elev. 637.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-90.357002 41.455529 SOFT brown SILTY CLAY LOAM	635.30			0.3 P	24
VERY SOFT tan SILTY LOAM	633.80		1 1 3	0.2 P	32
VERY SOFT tan SANDY LOAM	631.30	-5	0 2 3	0.1 P	31
VERY SOFT light gray SILT with SAND lens	628.30		2 4 4	0.1 P	22
MEDIUM tan TILL	626.30	-10	2 3 5	0.9 P	11
VERY STIFF tan TILL	623.80		4 8 11	3.9 S	10
VERY STIFF light gray TILL	621.30	-15	4 7 9	2.5 S	9
VERY STIFF light gray TILL	618.30		4 7 10	2.7 B	10
HARD gray SHALE		-20	9		
HARD gray SHALE (continued)	616.30		8 11	4.6 S	14
VERY STIFF gray SHALE	613.80		5 10 17	3.2 S	13
MEDIUM gray SHALE	611.30	-25	5 9 18		
DENSE gray SHALE	608.80		8 13 23		
DENSE gray SHALE	606.30	-30	8 16 26		
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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/7/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 400' E. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 23NW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO.
Station 208+87

BORING NO. B-2b
Station 209+27
Offset 68.00ft Lt CL
Ground Surface Elev. 634.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 622.6 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-90.356754 41.455826 MEDIUM light brown SILTY CLAY LOAM	632.60			0.5 P	24
STIFF tan SILTY LOAM	630.60		5 4 4	1.7 S	16
SOFT tan SILT	628.10	-5	1 2 4	0.3 P	17
STIFF tan/light gray TILL	626.10		2 4 7	1.9 B	9
MEDIUM tan TILL	623.10	-10	1 2 4	0.9 B	12
MEDIUM tan SANDY GRAVEL	620.60		6 7 5		
VERY STIFF gray TILL	618.10	-15	2 5 7	2.1 B	10
VERY STIFF light gray SHALEY CLAY	615.60		9 9 9	2.9 B	14
VERY STIFF gray SHALE		-20	4		
VERY STIFF gray SHALE (continued)	613.60		8 12	3.7 S	15
DENSE gray SHALE	611.10		12 14 23		
DENSE gray SHALE	608.60	-25	6 13 19		
DENSE gray SHALE	606.10		14 19 29		
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)