BORING LOGS

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

SOIL BORING LOG

Page 1 of 1

Date 4/16/08

ROUTE US 20 DESCRIPTION P92-028-08 Culvert, 3.2 m. E. of East Dubuque LOGGED BY W. Garza

SECTION LOCATION Menominee Twp. - 2 NW, SEC. , TWP. 28N, RNG. 2W

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

STRUCT. NO.
Station

BORING NO. B-1
Station 52' E. of Ctr.
Offset 13.00ft S. of Ctr.
Ground Surface Elev. 101.90 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 87.00 ft

Groundwater Elev.:
First Encounter 79.9 ft ▼
Upon Completion Dry ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder	99.90				
SOFT brown LOAM	98.40		2 5 4	0.4 P	21.0
SOFT brown LOAM with ROCK	95.90	-5	2 2 3	0.4 P	19.0
MEDIUM brown SILTY LOAM	93.40		1 2 4	0.5 B	21.0
SOFT brown SANDY LOAM	90.40	-10	1 1 3	0.4 P	17.0
LOOSE brown dirty SAND with ROCK	88.40		3 3 3		9.0
MEDIUM tan weathered LIMESTONE	85.90	-15	1 5 20		
MEDIUM tan weathered LIMESTONE	83.40		10 6 7		
		-20	6		
MEDIUM tan weathered LIMESTONE (continued)	80.90		5 11		
MEDIUM brown/tan weathered LIMESTONE with SILTY CLAY lens	78.40		7 6 20		23.0
STIFF brown SANDY LOAM with LIMESTONE fragments		-25	6 9 9	1.5 P	
Auger Refusal at 26.5'	75.40				
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)

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SECTION LOCATION Menominee Twp. - 2 NW, SEC. , TWP. 28N, RNG. 2W

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

STRUCT. NO.
Station

BORING NO. B-2
Station 94' W. of Ctr.
Offset 40.00ft N. of Ctr.
Ground Surface Elev. 94.00 ft

Surface Water Elev. ___ ft
Stream Bed Elev. 87.00 ft

Groundwater Elev.:
First Encounter 77.0 ft ▼
Upon Completion 76.0 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY LOAM	92.00			0.3 P	24.0
No Recovery	90.50		1 2 3		
SOFT brown SANDY LOAM	88.00	-5	1 1 2	0.3 P	17.0
SOFT brown LOAM with LIMESTONE fragments	85.50		4 2 3	0.4 P	19.0
LOOSE brown dirty SAND	83.00	-10	1 3 4		
MEDIUM brown dirty SAND with GRAVEL	80.50		5 10 12		
VERY LOOSE brown moist dirty SAND	78.00	-15	1 2 3		
MEDIUM brown dirty SAND & GRAVEL	75.50		7 8 9		
		-20	0		
MEDIUM light brown SILTY LOAM (continued)	73.00		0 3	0.6 P	23.0
MEDIUM tan SILTY LOAM with SAND lens	70.50		1 4 14	0.7 B	26.0
MEDIUM brown fine SAND very little recovery	68.00	-25	5 4 12		
MEDIUM tan weathered LIMESTONE	65.50		5 13 12		
MEDIUM tan weathered LIMESTONE	63.00	-30	8 8 9		
DENSE tan/brown weathered LIMESTONE	60.50		3 10 19		
VERY DENSE tan weathered LIMESTONE	58.00	-35	3 20 86		
End of Boring		-40			

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