BORING LOGS
STA. 339 + 15
SN 037–1188

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

SOIL BORING LOG

Page 1 of 1
Date 1/31/12

ROUTE FAS 226 DESCRIPTION 037-1188 P92-088-09 Box Culvert on US 6, .7 m. E. of Osco Road LOGGED BY Be. Wetzell

SECTION 3T & 3BR-1 LOCATION Edford Twp. - 18SE, SEC. , TWP. 17N, RNG. 2E

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

STRUCT. NO. 037-1188
Station 339+23

BORING NO. B-1
Station 339+33
Offset 17.00ft Rt CL
Ground Surface Elev. 646.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 631.7 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM					
				1.0 P	18.0
	644.20				
MEDIUM brown SILTY CLAY LOAM			6		
			7	0.8 P	16.0
	642.70		7		
MEDIUM brown SILTY CLAY LOAM		-5	2		
			2	0.6 B	30.0
	640.20		3		
SOFT black SILTY CLAY LOAM			0		
			0	0.4 B	33.0
	637.70		2		
MEDIUM black SILTY CLAY LOAM with ORGANICS		-10	0		
			1	0.6 B	47.0
	635.20		3		
MEDIUM black SILTY CLAY LOAM			0		
			3	0.9 B	32.0
			3		
	632.20				
MEDIUM gray dirty fine SAND	▼	-15	1		
			5		
			8		
	629.70				
MEDIUM gray weathered SHALE			6		
			12		
	627.70		7		
		-20	1		
MEDIUM black weathered SHALE with COAL (continued)			4		
	625.20		15		
MEDIUM gray weathered SHALE			7		
	622.70		9		
			14		
VERY DENSE gray weathered SHALE		-25	20		
			47		
	620.20		52		
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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COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 037-1188
Station 339+23

BORING NO. B-2
Station 338+98
Offset 17.00ft Lt CL
Ground Surface Elev. 646.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 632.3 ft ▼
Upon Completion 629.8 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY CLAY LOAM					
				0.5 P	16.0
	644.80				
VERY STIFF brown SILTY CLAY LOAM			2		
			5	2.5 B	21.0
	643.30		7		
MEDIUM brown SILTY CLAY LOAM		-5	2		
			3	0.7 B	18.0
	640.80		4		
MEDIUM brown SILTY CLAY LOAM			1		
			2	0.8 B	35.0
	638.30		3		
SOFT black SILTY CLAY LOAM		-10	0		
			1	0.4 B	38.0
	635.80		3		
MEDIUM tan SILTY CLAY LOAM			0		
			1	0.9 B	27.0
	633.30		2		
SOFT tan SILTY CLAY LOAM	▼	-15	0		
			0	0.3 B	30.0
			1		
	630.30				
MEDIUM black weathered SHALE	▽		2		
			5		
	628.30		8		
MEDIUM gray weathered SHALE		-20	6		
MEDIUM gray weathered SHALE (continued)			7		
	625.80		10		
VERY DENSE gray weathered SHALE			15		
			24		
	623.30		40		
VERY DENSE gray weathered SHALE		-25	14		
			23		
	620.80		35		
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)

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