Illinois Department of Transportation
Division of Highways
Applied GeoScience

SOIL BORING LOG

Page 1 of 1

Date 10/7/10

ROUTE FAU 1644 DESCRIPTION 95th Street Over the DuPage River LOGGED BY KL

SECTION 01-00181-00-FP LOCATION New DuPage River Bridge, SEC. 12, TWP. 37N, RNG. 9E, 3rd PM

COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 099-3035
Station

BORING NO. SB-S02
Station 360+00
Offset 56.00ft RT
Ground Surface Elev. 628.91 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 620.2 ft ▼
Upon Completion 623.5 ft ▽
After Hrs. ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL, with organic clay loam, dark brown-gray			0		
			3		42.0
			2		
CLAY LOAM, with organic, brown, soft	625.41		0		
			2	0.2	34.0
	623.91	-5	1	B	
PEAT, with cobbles, black, soft Organic content= 28%	▽		0		
			2	0.3	49.0
			2	B	
SAND, with gravel and weathered rock, gray, dense to medium dense to dense, wet	620.41 ▼		5		
			8		
		-10	11		
			4		
			13		
			22		
			5		
			13		
		-15	35		
	612.41		10		
SANDY LOAM, with fractured limestone, grey, stiff to hard, wet			11	1.7	11.0
			9	B	
			6		
			9	4.2	15.0
		-20	13	S	
SANDY LOAM, with fractured limestone, gray, stiff to hard, wet (continued)			6		
			8		11.0
BEDROCK, auger and spoon refusal at 25 feet	603.91	-25	100		
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)

SB-S02

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ROUTE FAU 1644 DESCRIPTION 95th Street Over the DuPage River LOGGED BY KL

SECTION 01-00181-00-FP LOCATION New DuPage River Bridge, SEC. 12, TWP. 37N, RNG. 9E, 3rd PM

COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 099-3035
Station

BORING NO. SB-S03
Station 360+47
Offset 47.00ft RT
Ground Surface Elev. 628.91 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 620.2 ft ▼
Upon Completion 623.4 ft ▽
After Hrs. ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL, clay loam, black					
CLAY LOAM, with topsoil and organic, dark gray, soft	627.91		2		
			3		36.0
			2		
CLAY LOAM, with gravel and topsoil, dark gray, medium stiff	625.41		0		
			3	0.8	35.0
		-5	2	B	
	▽				
PEAT, dark brown, very soft, moist Organic content= 32%	622.91		0		
			1		88.0
			2		
FINE SAND, with gravel and fractured rock, brown-gray, dense to medium dense, wet	620.41 ▼		2		
			2		
		-10	8		
			8		
			11		
			15		
			9		
			15		
		-15	17		
			10		
			6		
			8		
SANDY CLAY, with gravel, gray, stiff, wet	610.91		6		
			8	1.6	12.0
		-20	9	B	
SANDY CLAY, with gravel, gray, stiff, wet (continued)					
FRACTURED LIMESTONE, gray, extremely dense, wet	605.41		50		
			88		
BEDROCK, auger and spoon refusal at 25 feet	603.91	-25	100		
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)

SB-S03