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-S04
Station 360+75
Offset 45.00ft LT
Ground Surface Elev. 628.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 620.1 ft ▼
Upon Completion 623.6 ft ▽
After Hrs. ft

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
TOPSOIL, sandy clay, black	626.30		0		
			2	0.3	37.0
			2	B	
CLAY LOAM, brown, soft	622.80	-5	0		
			0	0.3	34.0
			2	B	
SANDY LOAM, with gravel, brown, soft	620.30		0		
			1	0.3	37.0
			3	B	
SAND AND GRAVEL, with limestone, gray, moist to wet, medium dense to dense	612.80	-10	7		
			5		
			5		
		-15	7		
			13		
			15		
SANDY LOAM, with sand, gravel, and weathered rock, gray, stiff, wet	611.30		3		
			14		
			21		
FRACTURED LIMESTONE, with gravel, gray, medium dense to extremely dense, wet		-20	1		
			4	1.3	11.0
			5	B	
			6		
			5		
			9		
FRACTURED LIMESTONE, with gravel, gray, medium dense to extremely dense, wet (continued)	604.30	-25	8		
BEDROCK, auger and spoon refusal at 25.5 feet	603.30		18		
			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-S04

Illinois Department of Transportation
Division of Highways
Applied GeoScience

SOIL BORING LOG

Page 1 of 1

Date 9/24/10

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-S05
Station 362+15
Offset 0.00ft C-L
Ground Surface Elev. 627.77 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
TOPSOIL, with organic, and roots, black	626.77		2		
SILTY LOAM, with organic, dark brown, very soft			2		23.0
			2		
SILTY LOAM, with organic, sand, and gravel, black, soft	624.27		0		
			0	0.2	38.0
		-5	0	B	
SAND AND GRAVEL, with boulders, cobbles, and fractured limestone, brown-gray, wet, very loose	621.77		0		
			1		
			2		
SAND AND GRAVEL, with weathered rock, gray, dense to medium dense, wet	619.27		8		
			11		
		-10	12		
			6		
			14		
			20		
			46		
			11		
		-15	9		
			5		
			5		
			3		
SAND AND GRAVEL, with weathered rock, gray, extremely dense, wet	609.27		8		
			50		
		-20	100		
DOLOMITIC LIMESTONE, solid, very hard, fresh, stylolitic bonds closely spaced, gray Recovery=81% RQD=72% Fair Rock	607.37				
		-25			
		-30			
		-35			
		-40			
End of Boring	597.37				

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-S05

FILE NAME = c:\vsdsh.2830/7861_2516\drawings\contract\bridge\structure\Bridge 10\DuPage\Control Dwg\S-37 Soil Borings SB-S04&SB-S05.dgn

URS 100 S.WACKER DR. SUITE 500 CHICAGO IL 60606 TEL (312)939-1000 FAX (312)939-4198	USER NAME = STB	DESIGNED - STB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING 2 – BORING NOS. SB-S04 AND SB-S05 STRUCTURE NO. 099-3035	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - NPP	REVISED -			1644	01-00181-00-FP	WILL	328	195
	PLOT SCALE = 20.0 ' / IN.	DRAWN - SDI	REVISED -					CONTRACT NO. 63647		
	PLOT DATE = 10/16/2012	CHECKED - NPP	REVISED -		SHEET NO. 37 OF 38 SHEETS		ILLINOIS FED. AID PROJECT			