Illinois Department of Transportation
Division of Highways
Wang Engineering

SOIL BORING LOG

Page 1 of 1

Date 8/22/07

ROUTE FA 74/280 DESCRIPTION P92-063-07 I-280 Bridge over Coal Creek, .75 m. E. of I-74 LOGGED BY W. Garza

SECTION 81-3BR LOCATION Coal Valley Twp. - 22 NW, SEC. , TWP. 17N, RNG. 1W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 081-005 and 081-006
Station 280+14.69

BORING NO. B-3
Station 280+59.69
Offset 0.00ft CL
Ground Surface Elev. 573.36 ft

Surface Water Elev. ____ ft
Stream Bed Elev. 557.16 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM				0.6 P	17.0
	570.86				
MEDIUM tan SILTY LOAM with SAND lens			5		
			6 7	0.8 P	19.0
	569.36				
		-5			
VERY STIFF tan SILT			7		
			7 7	2.8 S	18.0
	566.86				
VERY STIFF dark gray SANDY LOAM			9		
			7 8	2.1 S	11.0
	564.36				
		-10			
MEDIUM tan SILTY LOAM			4		
			6 6	0.9 P	19.0
	561.86				
SOFT tan SILTY LOAM			7		
			5 3	0.3 P	23.0
	558.86				
		-15			
VERY DENSE tan weathered LIMESTONE Auger Refusal at 17'			3		
			5 58		
	556.86				
Borehole continued with rock coring.					
		-20			

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
Wang Engineering

SOIL BORING LOG

Page 1 of 1

Date 8/23/07

ROUTE FA 74/280 DESCRIPTION P92-063-07 I-280 Bridge over Coal Creek, .75 m. E. of I-74 LOGGED BY W. Garza

SECTION 81-3BR LOCATION Coal Valley Twp. - 22 NW, SEC. , TWP. 17N, RNG. 1W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 081-005
Station 280+14.69

BORING NO. B-4
Station 280+60.69
Offset 75.00ft Rt CL
Ground Surface Elev. 573.26 ft

Surface Water Elev. ____ ft
Stream Bed Elev. 557.16 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM				0.8 P	18.0
	570.76				
MEDIUM brown SILTY LOAM			3		
			3 4	0.5 P	22.0
	569.26				
		-5			
VERY STIFF tan SILTY LOAM			2		
			4 7	2.4 S	17.0
	566.76				
SOFT tan SILTY LOAM			2		
			2 4	0.3 P	22.0
	564.26				
		-10			
VERY STIFF dark gray LOAM			2		
			3 5	2.6 P	14.0
	561.76				
STIFF gray SILTY LOAM			2		
			3 5	1.8	17.0
	559.26				
		-15			
STIFF gray SANDY LOAM			3		
			4 6	1.1 S	14.0
	556.76				
VERY SOFT tan SILT			1		
			1 1	0.0 P	22.0
	553.76				
		-20			
VERY DENSE light gray SANDSTONE Hit wing wall footing concrete Auger Refusal at 20'			100/1"		
	551.76				
	549.26				
		-25			
DENSE light gray weathered LIMESTONE with CLAY			10		
			24 14		
	546.76				
VERY DENSE light gray weathered LIMESTONE			24		
			33 63		
	544.26				
Borehole continued with rock coring.					
		-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)

3/19/2013 2:42:23 PM 0818194.64D23.037.Boring.02.dgn