Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 31408

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US Bypass 20 Bridge over Rock River Channel, .5 m. E. of IL 2 LOGGED BY W. Garza

SECTION (3, 4) R LOCATION Rockford Twp. – 10 NE, SEC. , TWP. 43N, RNG. 1E

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

STRUCT. NO. 101-0057 & 0058
Station 483+55

BORING NO. B-6
Station 481+83
Offset 8.00ft Lt CL
Ground Surface Elev. 712.0 ft

Surface Water Elev. ft
Stream Bed Elev. 65.5 ft

Groundwater Elev.:
First Encounter 689.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE brown SANDY GRAVEL					
	709.50				
MEDIUM brown SANDY GRAVEL			3 5 7		
	708.00				
		-5			
LOOSE brown SANDY GRAVEL			4 4 4		
	705.00				
MEDIUM gray SANDY LOAM			2 2 4	0.6 P	13
	703.00				
		-10			
MEDIUM gray SILTY CLAY LOAM with fine SAND lens			2 3 5	0.8 B	21
	700.00				
DENSE tan SANDY GRAVEL			9 14 19		
	698.00				
		-15			
DENSE tan SANDY GRAVEL			14 19 24		
	695.50				
VERY DENSE tan SANDY GRAVEL			15 23 33		
	693.00				
		-20			
DENSE tan SANDY GRAVEL			17 24 24		
	690.50				
		▼			
MEDIUM tan fine SAND			6 7 12		
	688.00				
		-25			
MEDIUM tan clean medium coarse SAND with medium GRAVEL			7 11 12		
	685.50				
MEDIUM tan clean medium coarse SAND			6 7 7		
	683.00				
		-30			
Wash MEDIUM tan clean medium coarse SAND			10 7 8		
	680.50				
MEDIUM tan clean medium coarse SAND			3 5 7		
	678.00				
		-35			
Wash MEDIUM tan fine SAND			5 7 8		
	675.50				
Wash MEDIUM tan fine SAND			9 10 13		
	673.00				
		-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, form 137 (Rev. 8-99)

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Stream Bed Elev. 65.5 ft

Groundwater Elev.:
First Encounter 689.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan clean medium coarse SAND			10 11 12		
	670.50				
	668.00				
		-45			
Wash DENSE tan clean medium coarse SAND			10 15 20		
	665.50				
	663.00				
		-50			
Wash MEDIUM tan clean medium coarse SAND			7 11 16		
	660.50				
	658.00				
		-55			
Wash VERY DENSE tan SANDY GRAVEL			12 18 38		
	655.50				
	653.00				
		-60			
DENSE tan clean medium coarse SAND			8 14 26		
	650.50				
	648.00				
		-65			
Wash DENSE tan clean medium coarse SAND			9 13 20		
	645.50				
End of Boring					
		-70			
		-75			
		-80			

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, form 137 (Rev. 8-99)

PRE-FINAL

DESIGNED -	EXAMINED	DATE -	
CHECKED -	ACTING ENGINEER OF BRIDGE DESIGN		
DRAWN -	PASSED	REVISED	
CHECKED -	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.)
SHEET NO. 55 OF 55 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	3BR & 3BR-1	WINNEBAGO		
		CONTRACT NO. 64D19		
		ILLINOIS FED. AID PROJECT		