Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 31308

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US Bypass 20 Bridge over Rock River Channel, .5 m. E. of IL 2 over Rock River 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-5
Station 485 + 30
Offset 5.00ft Rt CL
Ground Surface Elev. 710.5 ft

Surface Water Elev. ft
Stream Bed Elev. 65.0 ft

Groundwater Elev.:
First Encounter 685.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE brown moist SANDY GRAVEL					
	708.00				
MEDIUM brown SANDY GRAVEL			3 6 6		
	706.50				
		-5			
MEDIUM tan SANDY GRAVEL			3 5 6		
	704.00				
LOOSE tan/brown medium SAND			4 4 5		
	701.50				
		-10			
LOOSE brown SAND			2 3 3		
	698.50				
STIFF gray SANDY LOAM			3 4 7	1.9 P	15
	696.50				
		-15			
VERY STIFF gray LOAM with GRAVEL			8 11 14	3.5 P	11
	694.00				
STIFF gray LOAM			9 7 8	1.5 B	18
	691.50				
		-20			
STIFF gray LOAM with SILT			3 4 5	1.2 B	29
	689.00				
MEDIUM gray SILTY LOAM			1 2 3	0.5 B	27
	686.00				
		▼25			
MEDIUM gray dirty SAND			1 3 9		
	684.00				
MEDIUM tan/gray SANDY GRAVEL			10 11 13		
	681.50				
		-30			
LOOSE tan SANDY GRAVEL			5 3 4		
	679.00				
MEDIUM gray clean medium coarse SAND			5 4 7		
	676.50				
		-35			
Wash MEDIUM gray clean medium coarse SAND with medium GRAVEL			7 7 10		
	674.00				
MEDIUM gray clean medium coarse SAND			6 7 9		
	671.50				
		-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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First Encounter 685.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM gray clean medium coarse SAND			8 9 12		
	669.00				
Wash DENSE tan fine SAND			13 17 17		
	666.50				
		-45			
Wash MEDIUM tan clean medium coarse SAND			9 9 11		
	664.00				
	661.50				
		-50			
Wash DENSE tan clean medium coarse SAND			7 14 19		
	659.00				
	656.50				
		-55			
Wash DENSE tan clean medium coarse SAND			11 19 20		
	654.00				
	651.50				
		-60			
Wash DENSE tan clean medium coarse SAND with medium GRAVEL			13 20 19		
	649.00				
	646.50				
		-65			
Wash DENSE tan clean medium coarse SAND			13 19 27		
	644.00				
Wash MEDIUM tan clean medium coarse SAND			7 13 16		
	641.50				
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. 54 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		