Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 5/15/08

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US 20 over main channel of Rock River, .7 m. E of IL 2 LOGGED BY W. Garza

SECTION (3, 4) R LOCATION Rockford Twp. – 11 NW, SEC. , TWP. 43N, RNG. 1E

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

STRUCT. NO. 101-0059 & 0060
Station 492 + 30

BORING NO. B-2b
Station 491 + 36
Offset 7.00ft Lt WB CL
Ground Surface Elev. 708.6 ft

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

Groundwater Elev.:
First Encounter 690.6 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Air					
		-5			
		-10			
		-15			
	690.60 ▼				
Water		-20			
Water (continued)		-25			
	679.60				
LOOSE gray SAND		-30			
	678.60				
	677.10				
	674.60				
LOOSE gray fine SAND with GRAVEL		-35	2 4 3		
	672.10				
	669.60				
		-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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Upon Completion ____ ft
After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan clean medium coarse SAND			5 6 11		
	667.10				
	664.60				
		-45			
Wash MEDIUM tan clean medium coarse SAND			5 4 6		
	662.10				
	659.60				
		-50			
MEDIUM tan clean medium coarse SAND			3 4 7		
	657.10				
	654.60				
		-55			
Wash MEDIUM tan SANDY GRAVEL			6 8 10		
	652.10				
	649.60				
		-60			
DENSE tan clean medium coarse SAND			8 14 18		
	647.10				
	644.60				
		-65			
Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL			5 13 14		
	642.10				
	639.60				
		-70			
Wash DENSE tan SANDY GRAVEL			12 22 19		
	637.10				
	634.60				
		-75			
Wash DENSE tan SANDY GRAVEL			23 20 22		
	632.10				
End of Boring					
		-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)

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PRE-FINAL

DESIGNED -	EXAMINED ____ ENGINEER OF BRIDGE DESIGN	DATE -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED -			
DRAWN -	PASSED ____ ENGINEER OF BRIDGES AND STRUCTURES	REVISED	
CHECKED -		REVISED	

SOIL BORING LOGS
STRUCTURE NO. 101-0197 (E.B.) & 101-0198 (W.B.)
SHEET NO. 48 OF 50 SHEETS

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