Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 2/14/08

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 CME-45 Automatic

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

BORING NO. B-3
Station 482 + 77
Offset 58.00ft Lt CL
Ground Surface Elev. 690.2 ft

Surface Water Elev. ft
Stream Bed Elev. 65.0 ft

Groundwater Elev.:
First Encounter 680.7 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SANDY LOAM				0.3 P	17
	688.20				
STIFF dark gray SILTY LOAM with 11RGANICS			5 6 7	1.0 B	36
	686.70				
MEDIUM dark gray SILTY LOAM with 13RGANICS		-5	2 2 3	0.5 B	49
	684.20				
SOFT gray SILTY LOAM with SAND with 16RGANICS			1 2 4	0.4 B	62
	681.20				
LOOSE gray dirty SANDY GRAVEL		-10	3 3 4		
	679.20				
VERY LOOSE gray SANDY GRAVEL			3 3 1		
	676.70				
Wash MEDIUM tan clean medium coarse SAND		-15	2 5 6		
	674.20				
LOOSE tan clean medium coarse SAND			3 3 5		
	671.70				
		-20	7		
Wash MEDIUM tan clean medium coarse SAND (continued)			8 10		
	669.20				
	666.70				
MEDIUM tan clean medium coarse SAND		-25	2 5 7		
	664.20				
	661.70				
Wash MEDIUM tan clean medium coarse SAND		-30	5 6 10		
	659.20				
	656.70				
Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL		-35	7 11 17		
	654.20				
	651.70				
		-40	10		

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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After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash MEDIUM tan clean medium coarse SAND (continued)			12 13		
	649.20				
	646.70				
Wash MEDIUM tan clean medium coarse SAND		-45	5 11 17		
	644.20				
	641.70				
Wash DENSE tan SANDY GRAVEL		-50	20 17 20		
	639.20				
	636.70				
Wash VERY DENSE tan clean medium coarse SAND with medium GRAVEL		-55	38 39 37		
	634.20				
End of Boring					
		-60			

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

SOIL BORING LOGS
STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.)
SHEET NO. 52 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		