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Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 5/14/08

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-1b
Station 492+96
Offset 8.00ft Rt EB CL
Ground Surface Elev. 708.9 ft

Surface Water Elev. ft
Stream Bed Elev. 76.0 ft

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

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)		DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
				Water				
-5					683.90 -25			
-10				MEDIUM tan SANDY GRAVEL	678.90 -30	7 8 7		
					677.40			
Alt				MEDIUM tan SANDY GRAVEL		7 6 7		
					674.90 -35			
-15				MEDIUM tan fine SAND		4 5 7		
					672.40			
					669.90			
688.90 -20					-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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DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)		DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan clean medium coarse SAND	5 7 8			Wash MEDIUM tan fine SAND		3 9 9		
667.40					647.40			
664.90 -45					644.90 -65			
MEDIUM tan clean medium coarse SAND	8 12 15			Wash MEDIUM tan clean medium coarse SAND		8 11 18		
662.40					642.40			
659.90 -50					639.90 -70			
MEDIUM tan clean medulm coarse SAND	4 7 11			Wash MEDIUM tan clean medium coarse SAND		6 7 10		
657.40					637.40			
654.90 -55					634.90 -75			
Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL	5 9 12			Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL		4 6 14		
652.40					632.40			
649.90 -60					629.90 -80			

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Upon Completion Wash ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)		DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Wash MEDIUM/DENSE tan SANDY GRAVEL	13 14 16							
627.40								
624.90 -95								
Wash DENSE tan clean medium coarse SAND	9 17 21							
622.40								
End of Boring								
-100								

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BBS, form 137 (Rev. 8-99)

Existing Sta. 492+33.69 = New Sta. 931+19.69

DESIGNED -	EXAMINED	DATE - OCTOBER 4, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101-0197 (E.B.) & 101-0198 (W.B.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED -	PASSED	REVISED			301	38R & 38R-1	WINNEBAGO	290	222
DRAWN -	ACTING ENGINEER OF BRIDGE DESIGN	REVISED		SHEET NO. 47 OF 50 SHEETS			CONTRACT NO. 64D19		
CHECKED -	ACTING ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS FED. AID PROJECT		