
Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation

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SOIL BORING LOG

Date 2/22/08

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-4
 Station 482+52
 Offset 55,00ft Rt CL
 Ground Surface Elev. 690.0 ft

Description	Depth (ft)	Blow Count	UCS Failure Mode	Surface Water Elev.		Groundwater Elev.	
				ft	ft	ft	ft
				688.00	65.0	683.0	
SOFT brown SANDY LOAM		0.3	P				
	688.00						
STIFF dark gray SILTY CLAY LOAM		4	B				
	686.50						
MEDIUM dark gray SANDY LOAM with GRAVEL		2	P				
	683.50						
LOOSE tan clean medium coarse SAND		2					
	681.50						
LOOSE tan clean medium coarse SAND		2					
	679.00						
LOOSE MEDIUM tan fine SAND		1					
	676.50						
MEDIUM tan fine SAND		5					
	674.00						
	671.50						
		1					

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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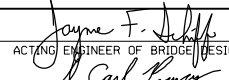
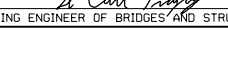
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Description	Depth (ft)	Blow Count	UCS Failure Mode	Surface Water Elev.		Groundwater Elev.	
				ft	ft	ft	ft
MEDIUM tan SANDY GRAVEL (continued)	649.00	7					
	646.50						
DENSE tan SANDY GRAVEL		19					
	644.00						
	641.50						
Wash DENSE tan clean medium coarse SAND with medium GRAVEL		10					
	639.00						
Wash VERY DENSE tan clean medium coarse SAND with medium GRAVEL		15					
	636.50						
Wash VERY DENSE tan SANDY GRAVEL		10					
	634.00						
End of Boring							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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PRE-FINAL

DESIGNED - CHECKED - DRAWN - CHECKED -	EXAMINED  ACTING ENGINEER OF BRIDGE DESIGN PASSED  ACTING ENGINEER OF BRIDGES AND STRUCTURES	DATE - REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.) SHEET NO. 53 OF 55 SHEETS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>301</td> <td>3BR & 3BR-1</td> <td>WINNEBAGO</td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: center;">CONTRACT NO. 64D19</td> </tr> <tr> <td colspan="5" style="text-align: right; font-size: 0.8em;">ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	301	3BR & 3BR-1	WINNEBAGO			CONTRACT NO. 64D19					ILLINOIS FED. AID PROJECT				
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