


Page 1 of 2



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Date 2/14/08

Page 1 of 2

ROUTE Bypass 20, FAP 301 DESCRIPTION P02-075-08 US Bypass 20 Bridge over Rock River Channel, 6 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. <u>101-0057 &amp; 0058</u>	STATION <u>483+55</u>	BORING NO. <u>B-3</u>	STATION <u>482+77</u>	OFFSET <u>58.00 ft LL CL</u>	GROUND SURFACE ELEV. <u>689.7</u>	SOIL				TESTS									
						D	B	U	M	D	H	U	M						
						Surface Water Elev.				Surface Water Elev.									
						Stream Bed Elev.				Stream Bed Elev.									
						Groundwater Elev.:				Groundwater Elev.:									
						First Encounter				First Encounter									
						Upon Completion				Upon Completion									
						After				After									
						Hrs.				Hrs.									
SOFT brown SANDY LOAM																			
						0.3	17												
STIFF dark gray SILTY LOAM with 11% ORGANICS						5													
						6	1.0	36											
						7	B												
MEDIUM dark gray SILTY LOAM with 13% ORGANICS						2													
						2	0.5	49											
						3	B												
SOFT gray SILTY LOAM with SAND with 16% ORGANICS						1													
						2	0.4	62											
						4	B												
LOOSE gray dirty SANDY GRAVEL						3													
						3													
						4													
VERY LOOSE gray SANDY GRAVEL						3													
						3													
						1													
Wash MEDIUM tan clean medium coarse SAND						2													
						5													
						6													
LOOSE tan clean medium coarse SAND						3													
						3													
						5													
						7													

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. 8-09)

Page 2 of 2



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						D	B	U	M	D	H	U	M					
						Surface Water Elev.				Surface Water Elev.								
						Stream Bed Elev.				Stream Bed Elev.								
						Groundwater Elev.:				Groundwater Elev.:								
						First Encounter				First Encounter								
						Upon Completion				Upon Completion								
						After				After								
						Hrs.				Hrs.								
Wash MEDIUM tan clean medium coarse SAND (continued)						12												
						13												
Wash MEDIUM tan clean medium coarse SAND						5												
						11												
						17												
Wash DENSE tan SANDY GRAVEL						20												
						17												
						20												
Wash VERY DENSE tan clean medium coarse SAND with medium GRAVEL						38												
						39												
						37												
End of Boring																		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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BBS, form 137 (Rev. 8-09)

Existing Sta. 483+58.69 = New Sta. 922+44.69

DESIGNED -	EXAMINED	DATE - OCTOBER 4, 2013	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORING LOGS</b> STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.)	F.A.P. RTE. 301	SECTION 3BR & 3BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 290	SHEET NO. 151
CHECKED -	PASSED	REVISED	SHEET NO. 52 OF 55 SHEETS		ILLINOIS FED. AID PROJECT CONTRACT NO. 64D19				