

Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation

SOIL BORING LOG Page 1 of 2

Date 2/5/08

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-1
 Station 483+63
 Offset 60,00ft Lt CL
 Ground Surface Elev. 691.2 ft

DEPTH (ft)	BLOWS (6")	UCS (tsf)	MODE (%)	DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	MODE (%)
0				Surface Water Elev. _____ ft	0			
				Stream Bed Elev. <u>65.0</u> ft				
				Groundwater Elev.: _____ ft				
				First Encounter <u>684.2</u> ft				
				Upon Completion _____ ft				
				After _____ Hrs.				
0				MEDIUM tan clean medium coarse SAND (continued)	670.20	5		
689.20		0.3 P	36			9		
687.70	3	2.1 P	29	MEDIUM tan clean medium coarse SAND with medium GRAVEL	667.70	3		
	4					9		
684.70	2	0.8 B	24	Wash MEDIUM tan clean medium coarse SAND	665.20	5		
	4					7		
682.70	2			Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL	662.70	5		
	4					6		
	6					11		
680.20	3			MEDIUM tan clean medium coarse SAND with GRAVEL	660.20	9		
	2					11		
	1					15		
677.70	3			Wash MEDIUM tan clean medium coarse SAND	657.70	4		
	1					6		
	3					10		
675.20	4			Wash MEDIUM tan clean medium coarse SAND	655.20	4		
	5					7		
	7					12		
672.70	4			Wash MEDIUM tan SAND & GRAVEL	652.70	6		
	6					10		
	10					11		
	4					7		
						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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670.20	10			Wash MEDIUM tan SANDY GRAVEL (continued)	650.20	15		
647.70	8			Wash MEDIUM tan clean medium coarse SAND	647.70	10		
	15					15		
645.20	4			Wash MEDIUM tan clean medium coarse SAND	645.20	8		
	8					16		
642.70	13			Wash DENSE tan clean medium coarse SAND with medium GRAVEL	642.70	16		
	16					20		
640.20	9			Wash DENSE tan clean medium coarse SAND	640.20	14		
	14					21		
				Borehole continued 20808				
637.70	23			Wash DENSE tan clean medium coarse SAND with medium GRAVEL	637.70	22		
	22					21		
635.20	30			Wash VERY DENSE tan clean medium coarse SAND with medium GRAVEL	635.20	34		
	34					35		
632.70	33			Wash VERY DENSE tan SANDY GRAVEL	632.70	36		
	36					23		
				End of Boring				
						60		

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PRE-FINAL

DESIGNED -	EXAMINED - <i>Joanne F. [Signature]</i> ACTING ENGINEER OF BRIDGE DESIGN	DATE -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.)	F.A.P. RTE. 301	SECTION 3BR & 3BR-1	COUNTY WINNEBAGO	TOTAL SHEETS	SHEET NO. 50
CHECKED -	PASSED - <i>Carl [Signature]</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			CONTRACT NO. 64D19				
DRAWN -		REVISED			SHEET NO. 50 OF 55 SHEETS				
CHECKED -					ILLINOIS FED. AID PROJECT				