

Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation

SOIL BORING LOG Page 1 of 2

Date 2/8/08

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-2
 Station 483+10
 Offset 61.00ft Rt CL
 Ground Surface Elev. 690.2 ft

SOIL DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	FAILURE MODE (%)	DEPTH (ft)	BLOWS (6")	UCS (tsf)	FAILURE MODE (%)
SOFT brown SILTY CLAY LOAM with ORGANICS	688.20	0.3	48	P	LOOSE tan clean medium coarse SAND (continued)	669.20	2	3
MEDIUM brown SILTY LOAM with ORGANICS	686.70	1.3	38	B	LOOSE tan clean medium coarse SAND	666.70	2.3	5
MEDIUM brown SILTY CLAY LOAM	683.70	0.2	42	B	LOOSE tan SANDY GRAVEL	664.20	2.3	4
MEDIUM gray dirty SAND	681.70	4.7			Wash LOOSE tan fine SAND with SILTY CLAY lens	661.70	2.2	6
LOOSE gray dirty SAND & GRAVEL	679.20	1.1			Wash MEDIUM tan clean medium coarse SAND	659.20	3.7	10
Wash LOOSE tan SANDY GRAVEL	676.70	2.2				656.70		
Wash LOOSE tan clean medium coarse SAND	674.20	3.4			Wash MEDIUM tan clean medium coarse SAND	654.20	4.5	10
Wash LOOSE tan clean medium coarse SAND	671.70	2.2				651.70		
	670.20	2.2				649.20		

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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SOIL DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	FAILURE MODE (%)	DEPTH (ft)	BLOWS (6")	UCS (tsf)	FAILURE MODE (%)
Wash DENSE tan SANDY GRAVEL (continued)	649.20	21						
	646.70							
Wash MEDIUM tan clean medium coarse SAND	644.20	6.10						
	641.70							
Wash DENSE tan clean medium coarse SAND	639.20	7.11						
	636.70							
Wash VERY DENSE tan SANDY GRAVEL	634.20	51.42						
	631.70	55						
Wash VERY DENSE tan SANDY GRAVEL	631.70	40.63						
End of Boring	631.70	100/12						
	630.20							

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 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)

PRE-FINAL

DESIGNED -	EXAMINED - <i>Joanne F. Duff</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. 51 OF 55 SHEETS	CONTRACT NO. 64D19
CHECKED -	PASSED - <i>Carl Berger</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED								ILLINOIS FED. AID PROJECT