Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 2/2208

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

Surface Water Elev. ____ ft
Stream Bed Elev. 65.0 ft

Groundwater Elev.:
First Encounter 683.0 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DESCRIPTION
		0.3 P	17	SOFT brown SANDY LOAM
688.00				
	4 4 6	1.4 B	29	STIFF dark gray SILTY CLAY LOAM
686.50				
-5	2 5 7	0.5 P	27	MEDIUM dark gray SANDY LOAM with GRAVEL
683.50 ▼				
	2 2 3			LOOSE tan clean medium coarse SAND
681.50				
-10	2 2 4			LOOSE tan clean medium coarse SAND
679.00				
	1 2 8			LOOSE/MEDIUM tan fine SAND
676.50				
-15	5 6 10			MEDIUM tan fine SAND
674.00				
671.50				
-20	1			MEDIUM tan SANDY GRAVEL
669.00	4 7			MEDIUM tan clean medium coarse SAND (continued)
666.50				
-25	2 6 9			MEDIUM tan clean medium coarse SAND
664.00				
	6 7 11			Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL
661.50				
-30	3 6 10			Wash MEDIUM tan clean medium coarse SAND
659.00				
656.50				
-35	6 12 14			Wash MEDIUM tan clean medium coarse SAND
654.00				
651.50				
-40	7			MEDIUM tan SANDY GRAVEL

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 (%)	DESCRIPTION
	7 8			MEDIUM tan SANDY GRAVEL (continued)
649.00				
646.50				
-45	19 23 27			DENSE tan SANDY GRAVEL
644.00				
641.50				
-50	10 18 26			Wash DENSE tan clean medium coarse SAND with medium GRAVEL
639.00				
636.50	15 41 60			Wash VERY DENSE tan clean medium coarse SAND with medium GRAVEL
-55	100/11"			Wash VERY DENSE tan SANDY GRAVEL
634.00				End of Boring
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Existing Sta. 483+58.69 = New Sta. 922+44.69

DESIGNED -	EXAMINED	DATE - OCTOBER 4, 2013	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.)**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
CHECKED -	PASSED	REVISED		SHEET NO. 53 OF 55 SHEETS	301	3BR & 3BR-1	WINNEBAGO	290 / 152
DRAWN -	ACTING ENGINEER OF BRIDGE DESIGN	REVISED					CONTRACT NO. 64D19	
CHECKED -	ACTING ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS FED. AID PROJECT	