Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 2608

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

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

Groundwater Elev.:
First Encounter 683.2 ft
Upon Completion Wash ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
		0.9 P	48	SOFT brown SILTY CLAY LOAM with ORGANICS
688.20				
	1 1 3	0.8 B	38	MEDIUM brown SILTY LOAM with ORGANICS
686.70				
-5	0 2 2	0.6 B	42	MEDIUM brown SILTY CLAY LOAM
683.70				
	4 7 5			MEDIUM gray dirty SAND
681.70				
-10	1 1 4			LOOSE gray dirty SAND & GRAVEL
679.20				
	4 2 2			Wash LOOSE tan SANDY GRAVEL
676.70				
-15	3 3 4			Wash LOOSE tan clean medium coarse SAND
674.20				
	2 2 4			Wash LOOSE tan clean medium coarse SAND
671.70				
-20	2			
				LOOSE tan clean medium coarse SAND (continued)
669.20				
	2 3 5			LOOSE tan clean medium coarse SAND
666.70				
-25	3 3 4			LOOSE tan SANDY GRAVEL
664.20				
	2 2 6			Wash LOOSE tan fine SAND with SILTY CLAY lens
661.70				
-30	5 7 10			Wash MEDIUM tan clean medium coarse SAND
659.20				
656.70				
-35	4 5 10			Wash MEDIUM tan clean medium coarse SAND
654.20				
651.70				
-40	14			

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
	22 21			Wash DENSE tan SANDY GRAVEL (continued)
649.20				
646.70				
-45	6 10 15			Wash MEDIUM tan clean medium coarse SAND
644.20				
641.70				
-50	7 11 22			Wash DENSE tan clean medium coarse SAND
639.20				
636.70				
-55	51 42 55			Wash VERY DENSE tan SANDY GRAVEL
634.20				
	40 63 100/12"			Wash VERY DENSE tan SANDY GRAVEL
631.70				End of Boring
-60				

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)

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

DESIGNED -	EXAMINED	Joyce F. Aldridge ACTING ENGINEER OF BRIDGE DESIGN	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 -						301	3BR & 3BR-1	WINNEBAGO	290	150
DRAWN -	PASSED	R Carl Peverly ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 51 OF 55 SHEETS			CONTRACT NO. 64D19		
CHECKED -			REVISED					ILLINOIS FED. AID PROJECT		