Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 5/15/08

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US 20 over main channel of Rock River, .7 m. E. of IL 2 LOGGED BY W. Garza

SECTION (3, 4) R LOCATION Rockford Twp. – 11 NW, SEC., TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 101-0060 & 0060
Station 492 + 30

BORING NO. B-2b
Station 491 + 36
Offset 7.00ft Lt WB CL
Ground Surface Elev. 708.6 ft

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

Groundwater Elev.:
First Encounter 690.6 ft ▼
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Air				Water (continued)			
	5						
-5	6						
	11			-25			
				679.60 LOOSE gray SAND			
-10				678.60 -30			
				677.10			
				674.60			
-15				-35	2		
				LOOSE gray fine SAND with GRAVEL	4		
				672.10	3		
690.60 ▼							
Water				669.60			
-20				-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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DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan clean medium coarse SAND	5			DENSE tan clean medium coarse SAND	8		
667.10	6			647.10	14		
	11				18		
664.60				644.60			
-45				-65			
Wash MEDIUM tan clean medium coarse SAND	5			Wash MEDIUM tan clean medium coarse SAND with medium GRAVEL	5		
662.10	4			642.10	13		
	6				14		
659.60				639.60			
-50				-70			
MEDIUM tan clean medium coarse SAND	3			Wash DENSE tan SANDY GRAVEL	12		
657.10	4			637.10	22		
	7				18		
654.60				634.60			
-55				-75			
Wash MEDIUM tan SANDY GRAVEL	6			Wash DENSE tan SANDY GRAVEL	23		
652.10	8			632.10	20		
	10			End of Boring	22		
649.60							
-60				-80			

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. 492+33.69 = New Sta. 931+19.69

DESIGNED -	EXAMINED	Joyce F. Duffy	DATE - OCTOBER 4, 2013	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 101-0197 (E.B.) & 101-0198 (W.B.)**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED -		ACTING ENGINEER OF BRIDGE DESIGN				301	3BR & 3BR-1	WINNEBAGO	290	223
DRAWN -	PASSED	M. Carl Toenjes	REVISED		SHEET NO. 48 OF 50 SHEETS			CONTRACT NO. 64D19		
CHECKED -		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED					ILLINOIS FED. AID PROJECT		