Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 5/1/08

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US 20, .7 m. E. of IL 2 LOGGED BY J. Stratling

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. 101-0059 & 0060
Station 492 + 30

BORING NO. B-3b
Station 490 + 23
Offset ft CL
Ground Surface Elev. 708.4 ft

Surface Water Elev. ft
Stream Bed Elev. 71.0 ft

Groundwater Elev.:
First Encounter 686.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SANDY LOAM	706.40			0.3 P	
MEDIUM brown SANDY LOAM	704.40		5 4 3	0.8 P	
LOOSE tan/brown medium SAND	702.40	-5	1 1 4		
MEDIUM tan/brown clean medium SAND with GRAVEL	699.40		7 4 6		
VERY STIFF dark gray LOAM	697.40	-10	2 3 7	3.5 P	11
DENSE tan/gray dirty SAND & GRAVEL	694.90		13 15 17		
MEDIUM dark gray SANDY LOAM	692.40	-15	7 7 6	0.5 P	12
SOFT dark gray SANDY LOAM	689.90		0 1 2	0.3 P	25
SOFT gray SANDY LOAM		-20	1		
SOFT gray SANDY LOAM (continued)	687.40		2 3	0.3 P	26
SOFT gray SANDY LOAM	684.40		1 1 10	0.3 P	30
MEDIUM gray dirty SANDY GRAVEL	682.40	-25	4 6 8		
LOOSE tan SANDY GRAVEL	679.90		4 4 5		
LOOSE tan/gray SAND & GRAVEL	677.40	-30	5 2 5		
Wash MEDIUM tan SANDY GRAVEL	674.90		5 8 12		
MEDIUM tan SANDY GRAVEL	672.40	-35	6 7 7		
MEDIUM tan SAND & GRAVEL	669.90		6 7 8		
MEDIUM tan SAND & GRAVEL		-40	4		

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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First Encounter 686.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan SAND & GRAVEL (continued)	667.40		5 7		
	664.90				
Wash MEDIUM tan SANDY GRAVEL	662.40	-45	3 4 9		
	659.90				
Wash MEDIUM tan medium coarse SAND	657.40	-50	8 12 18		
	654.90				
Wash MEDIUM tan medium coarse SAND	652.40	-55	6 10 20		
	649.90				
		-60	6		
Wash MEDIUM tan medium SAND & GRAVEL (continued)	647.40		9 12		
	644.90				
Wash DENSE tan medium coarse SAND	642.40	-65	7 12 19		
	639.90				
Wash VERY DENSE tan medium-coarse SAND with GRAVEL	637.40	-70	11 25 33		
	634.90				
Wash VERY DENSE tan SAND & GRAVEL	632.40	-75	25 28 29		
End of Boring		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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PRE-FINAL

DESIGNED -	EXAMINED	DATE -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED -	ENGINEER OF BRIDGE DESIGN		
DRAWN -	PASSED	REVISED	
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

SOIL BORING LOGS
STRUCTURE NO. 101-0197 (E.B.) & 101-0198 (W.B.)
SHEET NO. 49 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	3BR & 3BR-1	WINNEBAGO		

CONTRACT NO. 64D19
ILLINOIS FED. AID PROJECT