STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301 (US 20)	(2HB -1)D	WINNEBAGO	107	97
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 32
34 SHEETS

Contract #64B07

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

P92-069-05 Bypass 20 Bridge over Simpson Road, south edge of Rockford, 900' E. of Prairie Road

Page 1 of 1

Date 1/20/06

ROUTE US Bypass 20 DESCRIPTION LOGGED BY J. Strating

SECTION 2HB-1 & 2 LOCATION Rockford Twp. - 4SE, SEC. , TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 849+28

BORING NO. B-1a
Station 848+43
Offset 63.00ft Rt CL
Ground Surface Elev. 740.3 ft

Surface Water Elev. N/A ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF red/brown SILTY CLAY LOAM	738.30			1.3 P	22
STIFF brown SILTY CLAY LOAM	736.80		6 4 6	1.3 P	17
MEDIUM brown SILTY CLAY LOAM	734.30	-5	4 4 5	1.0 P	27
MEDIUM brown SILTY CLAY LOAM	731.80		1 2 4	1.0 B	30
SOFT brown SILTY CLAY LOAM	728.80	-10	1 2 2	0.4 B	29
MEDIUM tan medium SAND with GRAVEL	726.80		3 5 9		
DENSE tan fine SAND with GRAVEL and LIMESTONE at bottom	724.30	-15	7 14 22		
VERY DENSE tan weathered LIMESTONE	721.80		21 100/9"		
		-20			
VERY DENSE tan weathered LIMESTONE (continued)	719.30		100/2"		
VERY DENSE tan weathered LIMESTONE	716.80		100/3.5"		
Borehole continued with rock coring.		-25			
		-30			
		-35			
		-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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

P92-069-05 Bypass 20 Bridge over Simpson Road, south edge of Rockford, 900' East of Prairie Road

Page 1 of 1

Date 1/23/06

ROUTE US Bypass 20 DESCRIPTION LOGGED BY J. Strating

SECTION 2HB-1 & 2 LOCATION Rockford Twp. - 4SE, SEC. , TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 849+28

BORING NO. B-2a
Station 848+93
Offset 65.00ft Rt CL
Ground Surface Elev. 734.8 ft

Surface Water Elev. N/A ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark brown SILTY CLAY LOAM	732.80			0.5 P	27
MEDIUM brown SILTY CLAY LOAM	731.30		2 3 3	0.6 B	31
MEDIUM brown SILTY CLAY LOAM	728.80	-5	2 3 3	0.6 B	30
VERY SOFT brown SANDY LOAM	725.80		1 2 2	0.2 P	17
MEDIUM tan clean medium SAND with GRAVEL	723.80	-10	4 8 16		
VERY DENSE tan weathered LIMESTONE	721.30		100/11"		
VERY DENSE tan weathered LIMESTONE	718.80	-15	100/11"		
VERY DENSE tan weathered LIMESTONE	716.30		100/2"		
End of Boring		-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, from 137 (Rev. 8-99)

DESIGNED	SSM
CHECKED	JLA
DRAWN	GYR
CHECKED	SSM

Plans Prepared by: Kudrna & Associates, Ltd.

BORING LOGS
F.A.P. ROUTE 301 (US 20)
OVER SIMPSON ROAD
SECTION (2HB-1)D
WINNEBAGO COUNTY
STATION 849+27.97
STRUCTURE NO. 101-0053 (W.B.)
STRUCTURE NO. 101-0054 (E.B.)