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	99
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 34
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 1/24/06

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-5a
Station 850+10
Offset 55.00ft Lt CL
Ground Surface Elev. 733.3 ft

Surface Water Elev. N/A ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 711.3 ft ▼
Upon Completion 706.3 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE dark brown dirty SAND & GRAVEL	731.30				
STIFF dark brown SILTY CLAY LOAM	729.80	-5	4 5 6	1.3 P	21
MEDIUM black SILTY LOAM with ORGANICS	727.30	-5	8 4 4	1.0 P	36
MEDIUM gray SILTY CLAY LOAM	724.80		1 1 2	0.6 B	30
STIFF gray SILTY CLAY LOAM	721.80	-10	1 2 3	1.3 P	26
MEDIUM tan clean fine SAND	719.80		4 6 8		
MEDIUM tan/brown weathered LIMESTONE with SAND lens	717.30	-15	5 9 19		
DENSE tan weathered LIMESTONE	714.80	-20	28 27 23		
DENSE tan/brown weathered LIMESTONE with SAND lenses (continued)	712.30		12 15 16		
VERY DENSE tan weathered LIMESTONE	709.80	-25	100/3"		
VERY DENSE tan weathered LIMESTONE	707.30	-25	100/8"		
VERY DENSE tan weathered LIMESTONE	704.80	-30	100/2"		
End of Boring		-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' E. of Prairie Road

Page 1 of 2
Date 1/25/06

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-6a
Station 848+25
Offset ft on CL
Ground Surface Elev. 755.8 ft

Surface Water Elev. N/A ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 711.3 ft ▼
Upon Completion 711.3 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM	753.80			0.8 P	18
MEDIUM brown SILTY CLAY LOAM	752.30		3 3 4	0.8 P	18
MEDIUM brown SILTY CLAY LOAM	749.80	-5	2 3 4	0.8 P	24
MEDIUM brown LOAM with SAND lenses	746.80		2 4 15	0.8 P	19
MEDIUM tan medium SAND with GRAVEL	744.80	-10	5 6 10		
MEDIUM tan medium SAND with GRAVEL	741.80		9 8 9		
STIFF dark gray SILTY CLAY LOAM	739.80	-15	7 7 8	1.3 P	20
VERY STIFF dark gray SILTY CLAY LOAM	737.30	-20	5 6 9	3.0 P	19
MEDIUM gray/brown SANDY LOAM (continued)	734.80		8 8 9	1.0 P	12
STIFF dark gray SILTY CLAY LOAM	732.30		5 6 7	2.0 B	22
STIFF black SILTY LOAM with ORGANICS and SAND lens	729.80	-25	8 8 5	1.5 P	30
STIFF gray SILTY CLAY LOAM	727.30		2 4 5	1.2 B	28
STIFF gray/brown SILTY CLAY LOAM	724.30	-30	2 4 4	1.0 B	28
MEDIUM brown clean medium SAND	722.30		2 6 9		
MEDIUM tan/brown medium SAND with GRAVEL	719.80	-35	6 8 10		
DENSE tan weathered LIMESTONE with SAND lenses	717.30	-40	11 14 32		

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Groundwater Elev.:
First Encounter 711.3 ft ▼
Upon Completion 711.3 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE tan weathered LIMESTONE (continued)	714.80		100/7"		
VERY DENSE tan/white weathered LIMESTONE	712.30		34 100/10"		
VERY DENSE tan weathered LIMESTONE	709.80	-45	29 100/11.5"		
End of Boring		-50			
		-55			
		-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, 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.)