

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301 (US 20)	(2HB-2)D	WINNEBAGO	107	62
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #64B07

Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG Page 1 of 2 Date 1/18/06

ROUTE US Bypass 20 DESCRIPTION P92-069-05 Bypass 20 Bridge over Prairie Road edge of Rockford, 450' N. of Simpson Road LOGGED BY J. Stratina

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

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

STRUCT. NO. 841+90 Station 841+90

BORING NO. B-1b Station 841+77
Offset 59.00ft RI CL
Ground Surface Elev. 743.6 ft

SOIL DESCRIPTION	DEPTH (ft)	U (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (Hrs.)
MEDIUM dark brown SILTY CLAY LOAM	723.10	18	4.1	N/A					
DENSE tan weathered LIMESTONE fill	742.10	15	22						
DENSE tan weathered LIMESTONE fill	740.60	23							
DENSE tan weathered LIMESTONE fill	737.60	13	13						
STIFF tan/brown SANDY LOAM	735.60	4	5						
STIFF tan/brown LOAM TILL	733.10	6	9						
VERY STIFF tan/brown SANDY LOAM TILL	730.60	8	10						
VERY STIFF tan/brown SANDY LOAM TILL	728.10	9	10						
VERY STIFF tan/brown SANDY LOAM TILL	725.60	11	17						
HARD tan/brown SANDY LOAM TILL		11	15						

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)

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SOIL BORING LOG Page 2 of 2 Date 1/18/06

ROUTE US Bypass 20 DESCRIPTION P92-069-05 Bypass 20 Bridge over Prairie Road edge of Rockford, 450' N. of Simpson Road LOGGED BY J. Stratina

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

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

STRUCT. NO. 841+90 Station 841+90

BORING NO. B-1b Station 841+77
Offset 59.00ft RI CL
Ground Surface Elev. 743.6 ft

SOIL DESCRIPTION	DEPTH (ft)	U (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (Hrs.)
HARD brown SANDY LOAM TILL with SAND lenses	703.10	27	3.9	N/A					
Wash DENSE tan medium SAND	698.10	10	13						
MEDIUM tan fine SAND	695.60	16	13						
Wash VERY DENSE tan fine SAND	693.10	15	31						
End of Boring									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG Page 1 of 2 Date 1/24/06

ROUTE US Bypass 20 DESCRIPTION P92-069-05 Bypass 20 Bridge over Prairie Road edge of Rockford, 450' N. of Simpson Road LOGGED BY J. Stratina

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

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

STRUCT. NO. 841+90 Station 841+90

BORING NO. B-2b Station 841+97
Offset 53.00ft LI CL
Ground Surface Elev. 740.1 ft

SOIL DESCRIPTION	DEPTH (ft)	U (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (Hrs.)
MEDIUM brown SILTY CLAY LOAM	718.10	0.6	23						
STIFF dark gray LOAM	737.60	2	3						
STIFF brown SILTY CLAY LOAM	733.10	4	4						
LOOSE brown dirty dry fine SAND	730.60	2	3						
MEDIUM tan SANDY LOAM TILL	728.60	3	3						
No Recovery	726.10	3	5						
MEDIUM tan SANDY LOAM TILL	723.60	3	5						
MEDIUM tan weathered LIMESTONE	720.60	13	7						

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)

Boring B-2b continued on Sheet 41

DESIGNED	SSM
CHECKED	JLA
DRAWN	GYR
CHECKED	SSM

BORING LOGS
F.A.P. ROUTE 301 (US 20)
OVER PRAIRIE ROAD
SECTION (2HB-2)D
WINNEBAGO COUNTY
STATION 841+89.60
STRUCTURE NO. 101-0051 (W.B.)
STRUCTURE NO. 101-0052 (E.B.)

Plans Prepared by: Kudrna & Associates, Ltd.