

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S44 OF SHEETS S47
303	129K	WINNEBAGO	585	223	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		CONTRACT NO. 64594

BORING B-5b



SOIL BORING LOG

Page 1 of 1  
Date 10/5/04

ROUTE FAP 303 DESCRIPTION P92-123-00 Retaining Wall/Bridge interchange for I-90/IL 173 LOGGED BY W. Garza  
SECTION 129 R LOCATION Harlem Twp., -14 SE, 23 NE, SEC., TWP. 45N, RNG. 2E  
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEPTHS	BLU	UCS	M	Surface Water Elev.	Stream Bed Elev.	DEPTHS	BLU	UCS	M
Station	(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-5b Station 191+80 Offset 130.00 ft RI IL 173 Prop CL Ground Surface Elev. 903.1 ft					876.1 ft					
STIFF brown SANDY LOAM			1.0 P	7	882.10		7	10		
VERY STIFF brown SILTY CLAY LOAM	901.10	7	3.5 P	23	879.60		9	16		
STIFF brown SILTY CLAY LOAM	899.60	10			877.10		7	6	0.8 P	11
STIFF reddish brown SANDY LOAM	897.10	3	1.4 B	12	874.60		51	100/6'		
MEDIUM tan fine SAND	894.10	3			872.10		43	100/5'		
MEDIUM tan fine to medium SAND	889.10	9			868.60		42	100/9'		
MEDIUM tan SANDY LOAM TILL, moist	887.10	3	0.8 B	15	867.10		27			
MEDIUM tan SANDY LOAM TILL, moist	884.60	8								

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-6b



SOIL BORING LOG

Page 1 of 2  
Date 10/13/04

ROUTE FAP 303 DESCRIPTION P92-123-00 Ramp/Bridge interchange for I-90/IL 173 in Machesney Park LOGGED BY W. Garza  
SECTION 129 R LOCATION Harlem Twp., -14 SE, 23 NE, SEC., TWP. 45N, RNG. 2E  
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEPTHS	BLU	UCS	M	Surface Water Elev.	Stream Bed Elev.	DEPTHS	BLU	UCS	M
Station	(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-6b Station 445+00 Offset 30.00 ft RI SB CL Ground Surface Elev. 913.9 ft					881.4 ft					
MEDIUM brown SANDY LOAM			0.8 P	9	891.90		4	5	1.4 S	8
STIFF light brown SANDY LOAM	911.40	9	2.8 P	8	899.90		4	6	2.7 B	25
MEDIUM light brown SANDY LOAM	906.90	5			886.90		2	3	1.1 P	24
No Recovery	907.40	5	0.7 B	17	884.90		1	5	0.8 P	16
STIFF light brown SANDY LOAM	904.90	4			851.90		2	2	0.8 B	21
MEDIUM light brown SANDY LOAM TILL	899.90	8			879.90		1	5		
MEDIUM gray SANDY LOAM TILL	897.40	6			876.90		3	7		
STIFF light brown SANDY LOAM TILL	894.90	3	2.9 B	8			12	21		

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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-6b CONT.



SOIL BORING LOG

Page 2 of 2  
Date 10/13/04

ROUTE FAP 303 DESCRIPTION P92-123-00 Ramp/Bridge interchange for I-90/IL 173 in Machesney Park LOGGED BY W. Garza  
SECTION 129 R LOCATION Harlem Twp., -14 SE, 23 NE, SEC., TWP. 45N, RNG. 2E  
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEPTHS	BLU	UCS	M	Surface Water Elev.	Stream Bed Elev.	DEPTHS	BLU	UCS	M
Station	(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-6b Station 445+00 Offset 30.00 ft RI SB CL Ground Surface Elev. 913.9 ft					881.4 ft					
VERY DENSE tan fine SAND with SILT lens	871.90	25			869.90		22	34		
VERY DENSE tan SANDY LOAM TILL	869.90	34			867.40		17	26		
VERY DENSE tan SANDY LOAM TILL	867.40	17			864.90		12	16	7.6 S	11
HARD reddish brown CLAY LOAM TILL	864.90	12								
End of Boring										

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	MS
CHECKED	JIG
DRAWN	DCP
CHECKED	JIG



BORING LOG II  
N.W. TOLLWAY  
OVER IL 173 (F.A.P. ROUTE 303)  
SECTION 129K  
WINNEBAGO COUNTY  
STATION 443+73.62  
S.N. 101-9963 (SB) & 101-9964 (NB)  
TOLLWAY S.N. 703 (NB) & 704 (SB)