

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S45 OF SHEETS S47
F.A.P. 303	129K	WINNEBAGO	585	224	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		CONTRACT NO. 64594

BORING B-7b

BORING B-7b CONT.



SOIL BORING LOG

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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.	Station	DEPTH	B	L	U	M	Surface Water Elev.	ft	D	B	U	M
		(ft)	(6")	(tsf)	(%)				(ft)	(6")	(tsf)	(%)
BORING NO. <u>B-7b</u>	Station <u>442+47</u>						Groundwater Elev.:					
	Offset <u>43.00ft RL CL SB I-90</u>						First Encounter	<u>877.9</u> ft				
	Ground Surface Elev. <u>915.4</u> ft						Upon Completion	<u>865.4</u> ft				
							After					
VERY STIFF brown SILTY CLAY LOAM			3.1		18		MEDIUM brown SILTY CLAY		2		0.8	21
			P					893.90	4		B	
STIFF gray SILTY CLAY	912.90		2		21		STIFF reddish brown SANDY LOAM		3		1.0	13
			3						4		S	
			4					890.90	7			
STIFF light brown SANDY LOAM TILL	910.90		4		9		MEDIUM tan medium SAND		5			
			4					886.90	6			
	908.90		10						7			
MEDIUM light brown SANDY LOAM TILL	906.40		3		11		MEDIUM tan medium SAND		4			
			2					886.40	7			
			7						11			
STIFF light brown SANDY LOAM TILL	903.90		1		19		MEDIUM tan SAND, moist		7			
			4					883.90	9			
			7						9			
STIFF tan SANDY LOAM medium TILL	900.90		6		11		LOOSE/MEDIUM tan, very moist dirty fine SAND		1			
			10					880.90	5			
			8						5			
No Recovery	898.90		2				STIFF tan SANDY LOAM TILL		1		2.4	10
			3					878.90	6		P	
			5						11			
STIFF olive green SILTY CLAY	896.40		3		41		VERY DENSE tan SAND & GRAVEL with SANDY LOAM lens		7		00/11	
			3					876.40			PEN	
			6									

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)



SOIL BORING LOG

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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.	Station	DEPTH	B	L	U	M	Surface Water Elev.	ft	D	B	U	M
		(ft)	(6")	(tsf)	(%)				(ft)	(6")	(tsf)	(%)
BORING NO. <u>B-7b</u>	Station <u>442+47</u>						Groundwater Elev.:					
	Offset <u>43.00ft RL CL SB I-90</u>						First Encounter	<u>877.9</u> ft				
	Ground Surface Elev. <u>915.4</u> ft						Upon Completion	<u>865.4</u> ft				
							After					
Wash							MEDIUM brown SILTY CLAY		2		0.8	21
VERY DENSE tan SANDY LOAM TILL	873.90							893.90	4		B	
									5			
VERY DENSE tan SANDY LOAM TILL	871.40						STIFF reddish brown SANDY LOAM		3		1.0	13
									4		S	
								890.90	7			
HARD gray SANDY LOAM TILL	868.90						MEDIUM tan medium SAND		5			
								886.90	6			
									7			
HARD gray SANDY LOAM TILL	866.40						MEDIUM tan medium SAND		4			
								886.40	7			
									11			
VERY DENSE gray SANDY LOAM TILL with SAND lens	863.90						MEDIUM tan SAND, moist		7			
								883.90	9			
									9			
End of Boring							LOOSE/MEDIUM tan, very moist dirty fine SAND		1			
								880.90	5			
									5			
							STIFF tan SANDY LOAM TILL		1		2.4	10
								878.90	6		P	
									11			
							VERY DENSE tan SAND & GRAVEL with SANDY LOAM lens		7		00/11	
								876.40			PEN	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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BBS, from 137 (Rev. 8-99)

DESIGNED	MS
CHECKED	JIG
DRAWN	DCP
CHECKED	JIG



BORING LOG III  
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)