

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
303	129K	WINNEBAGO	585	222
CONTRACT NO. 64594				

SHEET NO. S43

OF SHEETS S47

BORING B-1b



SOIL BORING LOG

Page 1 of 1

Date 9/29/04

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.	Station	DEPTH (ft)	BLOW COUNT (blows/ft)	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	Penetration (100g/10s)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (ft)	Time (hrs)
				VERY DENSE tan SANDY LOAM TILL with SILT lens	33	100/10	PEN		876.20					
				Hard Drilling (continued)										
				VERY DENSE tan SANDY LOAM TILL	44	100/11	PEN		873.70					
				VERY DENSE gray SANDY LOAM TILL	45	100/7	PEN		871.20					
				End of Boring										
				SOFT tan SILTY CLAY TILL	1	2	0.4	B	21					
				STIFF tan SANDY LOAM TILL	3	4	1.2	P	11					
				MEDIUM tan fine SAND	3	6			10					
				STIFF tan SILT with SANDY LOAM TILL lens	10	17	1.1	P	16					
				STIFF tan SILTY LOAM TILL	15	26	3.1	S	13					

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



SOIL BORING LOG

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Date 9/29/04

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				VERY DENSE tan SANDY LOAM TILL (continued)	27	100/10	PEN		876.60					
				STIFF brown SILTY CLAY LOAM	0.5	22			865.60					
				STIFF brown SILTY CLAY LOAM	1	3	1.1	B	25					
				STIFF reddish brown SANDY LOAM	3	3	1.1	P	16					
				MEDIUM reddish brown SANDY LOAM	3	3	0.8	P	13					
				No Recovery	27	32			25					
				LOOSE tan SANDY LOAM TILL	5	3			14					
				MEDIUM tan SANDY LOAM TILL with SILT lens	3	5	0.8	B	14					
				VERY DENSE tan fine SAND with TILL	19	26			33					

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BBS, from 137 (Rev. 8-99)

BORING B-3b



SOIL BORING LOG

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Date 10/4/04

ROUTE FAP 303 DESCRIPTION P92-123-00 Ramp/Bridge Interchange for I-90/IL 173 in Machesney Park LOGGED BY W. Garza
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COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	Station	DEPTH (ft)	BLOW COUNT (blows/ft)	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	Penetration (100g/10s)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After (ft)	Time (hrs)
				VERY DENSE tan SANDY LOAM TILL (continued)	86	100/6	PEN		873.60					
				STIFF brown SILTY CLAY LOAM	1.8	21			862.60					
				STIFF brown SILTY CLAY LOAM	3	4	1.6	B	25					
				MEDIUM brown SILTY CLAY LOAM	2	2	0.6	B	25					
				SOFT brown SANDY LOAM	3	3	0.4	B	18					
				STIFF reddish brown SANDY LOAM TILL	3	5	1.2	B	21					
				STIFF tan SANDY LOAM TILL	6	12	1.0	P	14					
				DENSE tan fine SAND with GRAVEL	23	20			26					
				Hard Drilling										
				VERY DENSE tan SANDY LOAM TILL	25	43			48					

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BBS, from 137 (Rev. 8-99)

DESIGNED	MS
CHECKED	JIG
DRAWN	DCP
CHECKED	JIG



BORING LOG I
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)