

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
F.A.P. 314	110-IVBR-1	MADISON	77	37
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract #76549

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 2 Date 5/29/71

ROUTE FAP 314 DESCRIPTION IL 4 over Former Illinois Central Railroad LOGGED BY J. King

SECTION 110-IVBR-1 LOCATION Center East, SEC. 18, TWP. 4N, RNG. 6W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0107 (E) Station 504+18.45

BORING NO. 3 (Ex. Pier 1) Station 504+35 Offset 22.00R Lt. Ground Surface Elev. 518.8 ft

DEPTH (ft)	SOIL DESCRIPTION	U.C.S. (psi)	Failure Mode	Penetration (blows)	Penetration (blows)	Penetration (blows)	Penetration (blows)	Penetration (blows)	Penetration (blows)
0	Surface Water Elev. _____ ft								
0	Stream Bed Elev. _____ ft								
0	Groundwater Elev.: _____ ft								
0	First Encounter _____ ft								
0	Upon Completion _____ ft								
0	After _____ Hrs.								
0	Tan and Gray Clay TILL (continued)								
10		1.83		22					
10									
10		0.33		25					
10									
514.3									
5	Brown Silty CLAY								
10		0.21		30					
10									
511.8									
10	Tan and Gray CLAY								
11		1.17		27					
11									
489.3									
10	Gray Clay TILL								
12		1.30		24					
12									
6		0.59		28					
6									
15									
12		1.04		23					
12									
601.8									
10	Tan and Gray Clay TILL								
10		1.17		25					
10									
20									

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 T208)
BBS, from 137 (Rev. 8-99)

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0	Surface Water Elev. _____ ft								
0	Stream Bed Elev. _____ ft								
0	Groundwater Elev.: _____ ft								
0	First Encounter _____ ft								
0	Upon Completion _____ ft								
0	After _____ Hrs.								
0	Pea GRAVEL (Large Chert Nodules) (continued)								
61		NC							
61									
478.8									
47.2									
80		3.26		13					
80									
5	Gray Clay TILL								
6		5.22		10					
6									
42		4.56		10					
42									
32		4.77		9					
32									
41		4.98		10					
41									
50		4.99		10					
50									
42		4.34		11					
42									
55		3.59		11					
55									
43		4.34		11					
43									
31		4.34		11					
31									
60									

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COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0107 (E) Station 504+18.45

BORING NO. 4 (Ex. Pier 2) Station 503+97 Offset 25.00R Rt. Ground Surface Elev. 518.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U.C.S. (psi)	Failure Mode	Penetration (blows)	Penetration (blows)	Penetration (blows)	Penetration (blows)	Penetration (blows)	Penetration (blows)
0	Surface Water Elev. _____ ft								
0	Stream Bed Elev. _____ ft								
0	Groundwater Elev.: _____ ft								
0	First Encounter _____ ft								
0	Upon Completion _____ ft								
0	After _____ Hrs.								
0	Tan Clay TILL (continued)								
5		0.81		16					
5									
514.5									
3	Brown Silty CLAY								
3		0.33		28					
3									
494.5									
19		1.73		13					
19									
11	Brown and Gray CLAY								
11		0.98		12					
11									
484.5									
11	Gray Clay TILL								
11		0.98		12					
11									
16		1.52		11					
16									
10		0.98		11					
10									
607.0									
6	Brown and Gray Clay TILL								
6		0.65		25					
6									
15									
8		1.04		22					
8									
484.5									
36		5.32		9					
36									
11		0.88		21					
11									
12		12		NC					
12									
7		0.65		20					
7									
489.5									
40	Tan Clay TILL								
40									
20									

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0	Surface Water Elev. _____ ft								
0	Stream Bed Elev. _____ ft								
0	Groundwater Elev.: _____ ft								
0	First Encounter _____ ft								
0	Upon Completion _____ ft								
0	After _____ Hrs.								
0	Gray Clay TILL (continued)								
26		4.18		11					
26									
457.5									
100+		5.50		9					
100+									
5	End of Boring								
6		4.33		11					
6									
30		4.24		11					
30									
46		2.83		11					
46									
32		2.83		11					
32									
50		6.52		11					
50									
56		6.50		11					
56									
85		6.28		10					
85									
60									

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DESIGNED	IDOT
CHECKED	IDOT
DRAWN	IDOT
CHECKED	IDOT

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
IL. ROUTE 4 OVER
ABANDONED RAILROAD
F.A.P. ROUTE 314 - SEC. 110-IVBR-1
MADISON COUNTY
STATION 504+11.50
S.N. 060-2406

3/30/2006

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