Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 4 of 4

Date 4/7/98

ROUTE FAI 74 (I-74) DESCRIPTION I-74 over Jefferson St. (CH 22) LOGGED BY D. Scheuermann

SECTION (90-14)R LOCATION Morton, IL, SEC. 17, TWP. 25N, RNG. 3W, 3rd PM.
Latitude 40° 37' 17.74927" N, Longitude 89° 28' 41.73874" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0016
Station 558+75.28

BORING NO. 9A
Station 557+01.0
Offset 109ft LT
Ground Surface Elev. 728.67 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 716.2 ft
Upon Completion * ft
After 24 Hrs. 725.1 ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Green/Gray CLAY LOAM Till *(continued)* | 15 24 | 4.1 B | 14 |
| 604.17 | | | |
| Gray/Brown CLAY LOAM Till -125 | 8 15 25 | 5.2 S | 14 |
| -130 | 8 13 20 | 3.3 B | 14 |
| 597.67 | | | |
| *Unobtainable due to muddy conditions. End of Boring | | | |
| -135 | | | |
| -140 | | | |

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
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# SOIL BORING LOG

Page 1 of 3

Date 9/27/96

ROUTE FAI 74 (I-74) DESCRIPTION I-74 over Jefferson St. (CH 22) LOGGED BY D.Reents

SECTION (90-14)R LOCATION Morton, IL, SEC. 17, TWP. 25N, RNG. 3W, 3rd PM.
Latitude 40° 37' 17.45866" N, Longitude 89° 28' 39.42827" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0016
Station 558+75.28

BORING NO. 11
Station 558+71.5
Offset 49.5ft LT
Ground Surface Elev. 751.72 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 715.2 ft
Upon Completion * ft
After 72 Hrs. 718.7 ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Brown, Coarse SAND w/ trace of Gravel (Fill) | 3 | | |
| -5 | 4 3 | | 7 |
| | 3 | | |
| 742.72 | | | |
| Gray CLAY LOAM (Fill) | 3 | | |
| -10 | 2 3 | 2.3 B | 12 |
| | 1 | | |
| | 5 6 | 3.7 S | 11 |
| | 5 | | |
| Sample cut by a rock -15 | 7 10 | | 11 |
| | 2 | | |
| | 5 5 | 3.5 S | 14 |
| | 3 | | |
| -20 | 3 | 2.7 | 14 |
| Gray CLAY LOAM (Fill) *(continued)* | 7 | S | |
| | 3 | | |
| | 3 5 | 2.1 B | 15 |
| 727.72 | | | |
| Brown and Gray CLAY LOAM (Fill) | 2 | | |
| -25 | 3 4 | 1.7 B | 15 |
| 725.22 | | | |
| Brown and Gray SILTY CLAY LOAM/CLAY LOAM (Fill) | 2 | | |
| | 6 9 | 3.3 S | 13 |
| 722.72 | | | |
| Greenish and Dark Gray SILTY CLAY | 3 | | |
| -30 | 4 6 | 2.2 S | 29 |
| 720.22 | | | |
| Light Brown and Light Gray SILTY CLAY LOAM | 1 | | |
| | 3 3 | 1.0 B | 24 |
| | 2 | | |
| Trace of Gravel at 35.25 ft -35 | 3 4 | 1.0 B | 21 |
| Free H2O 715.22 | | | |
| Brown SANDY LOAM (Upper 9 in. of sample) 714.47 | 4 | | 17 |
| Brown and Gray SILTY CLAY (Lower 9 in. of sample) | 5 4 | 1.2 S | 22 |
| 712.72 | | | |
| Gray CLAY LOAM/LOAM Till | 2 | | |
| -40 | 5 | 0.6 | 14 |

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STRUCT. NO. EX 090-0016
Station 558+75.28

BORING NO. 11
Station 558+71.5
Offset 49.5ft LT
Ground Surface Elev. 751.72 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 715.2 ft
Upon Completion * ft
After 72 Hrs. 718.7 ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Gray CLAY LOAM/LOAM Till *(continued)* | 1 | S | |
| 707.72 | | | |
| Gray CLAY LOAM Till | 2 | | |
| -45 | 5 7 | 2.5 B | 13 |
| | 3 | | |
| -50 | 6 9 | 3.7 B | |
| | 2 | | |
| -55 | 7 9 | 3.1 B | 13 |
| | 3 | | |
| -60 | 5 | 2.3 | 14 |
| Gray CLAY LOAM Till *(continued)* | 7 | B | |
| -65 | 4 7 | 2.1 B | 14 |
| | 3 | | |
| -70 | 5 7 | 2.1 B | 13 |
| | 2 | | |
| -75 | 5 7 | 2.1 B | 14 |
| Sand seam at 79.75 ft | 3 | | |
| -80 | 4 | 1.4 | 14 |

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

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

| | | | |
|---|---|---|---|
| FILE NAME = 0900167_68620_56_log3.dgn | USER NAME = mbecker | DESIGNED - MFB | REVISED - |
| | | CHECKED - MRB | REVISED - |
| | PLOT SCALE = | DRAWN - PRT | REVISED - |
| | PLOT DATE = 7/16/2012 | CHECKED - MRB | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS 3 OF 10**
**STRUCTURE NO. 090-0167**
SHEET NO. SB56 OF SB65 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 74 | 90-(14R;(14HB-4,14,14HVB)BR) | TAZEWELL | 2433 | 1967 |
| | | CONTRACT NO. 68620 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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