Illinois Department of Transportation
Division of Highways
Illinois Department of Transformation

# SOIL BORING LOG

Page 1 of 1

Date 1/25/60

ROUTE FAI Rt 57 DESCRIPTION Digital Message Sign at 800N over I-57 LOGGED BY Woods

SECTION DTS Structure LOCATION SE, SEC. 21, TWP. 18N, RNG. 8E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual

STRUCT. NO. 5 S 010 1057 R226.40
Station 473+60.46

BORING NO. 1 Pier
Station 473+52
Offset 0.0 ft CL
Ground Surface Elev. 687.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 2 Hrs. 681.0 ft ▽

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Black Silty Clay (Firm) | 685.0 | -5 | 6 | 1.5 B | 14 |
| Brown Mottled Clay Loam (Firm) | 681.0 ▽ | | | | |
| Brown Mottled Clay Loam (Soft) | 680.0 | | | | |
| Brown Mottled Clay Till (Very Stiff) | 676.0 | -10 | 18 | 4.4 B | 16 |
| | | | 20 | 7.8 B | 13 |
| Gray Clay Till (Very Stiff) | | -15 | 19 | 7.3 B | 12 |
| | | | 17 | 7.8 B | 12 |
| | | -20 | 17 | 3.4 B | 13 |
| Gray Clay Till (Very Stiff) (continued) | | -25 | 18 | 3.9 B | 14 |
| (N Values shown are per 12") | | | | | |
| (Boring information shown taken from bridge borings for 010-0179) | 659.0 | -30 | 12 | 1.7 B | 14 |
| End of Boring | | -40 | | | |

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
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)

5/13/2013 7:42:39 AM G:\MATERIALS\SOILS\2013 SOILS WORK\MESSAGE BOARDS I-57,74,72\DTS@010-0179.GPJ

Illinois Department of Transportation
Division of Highways
Illinois Department of Transformation

# SOIL BORING LOG

Page 1 of 1

Date 5/15/13

ROUTE FAI Rt 57 DESCRIPTION Digital Message Sign 1/4 mile North of 010-0172 LOGGED BY CNA

SECTION DTS Structure LOCATION NW, SEC. 8, TWP. 20N, RNG. 9E, 3rd PM GPS: 40.20868N, 88.21786W

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 S 010 1057 L242.75
Station 891+04

BORING NO. 1 Sign Truss
Station 891+04
Offset 18.0 ft West of SBCL
Ground Surface Elev. 734.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 722.9 ft ▼
Upon Completion Plugged ft
After Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Asphalt Shoulder (Boring taken through shoulder of SBDL) | 733.4 | | | | |
| Gravel (CA 6) | 732.9 | | | | |
| Brown/Gray Clay Loam (Embankment) | | | 5 | | |
| | | -5 | 5 6 | 4.2 B | 10 |
| | 728.9 | | | | |
| Brown/Gray Mottled Silty Clay | | | 2 | | |
| | | | 5 7 | 2.2 B | 29 |
| | 726.4 | | | | |
| Brown/Gray Mottled Silty Clay with Silt Seams | | | 2 | | |
| | | -10 | 3 4 | 1.0 B | 26 |
| | | | 7 | | |
| | 722.4 | | 9 5 | 1.1 B | 24 |
| Brown Dirty Coarse Sand to Sand Loam Mixed (Soft/Wet) | | | 2 | | |
| | 719.9 | -15 | 2 2 | | 17 |
| Gray Soft Clay Loam Till (Qu = 0.2) | 718.4 | | 4 | | |
| Brown Clay Loam Till | | | 5 7 | 1.7 B | 14 |
| | 715.9 | | 3 | | |
| Gray Clay Loam Till | | -20 | 5 5 | 1.8 B | 13 |
| Gray Clay Loam Till (continued) | | -25 | 4 | | |
| | | | 5 7 | 2.6 B | 13 |
| (Elevation based off an assumed elevation of 100.0' at 891+04 - SBDL EOP) | | | 4 | | |
| | | | 6 6 | 2.7 B | 12 |
| | 709.9 | | | | |
| End of Boring | | -30 | | | |
| | | -35 | | | |
| | | -40 | | | |

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer E-Estimate)
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)

7/26/2013 11:10:59 AM S:\SOILS\2013 SOILS WORK\MESSAGE BOARDS I-57,74,72\DTS@010-0172.GPJ

| FILE NAME = | USER NAME = biggsrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SOIL BORING LOGS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| ei\pw_work\pwidot\biggsrd\d0340463\PTZ | amero plans.dgn | DRAWN - | REVISED - | | | VAR. | FY2014 ITS-1 | CHAMPAIGN | 73 | 36A |
| | PLOT SCALE = 1574.0031 ' / in | CHECKED - | REVISED - | | | | | CONTRACT NO. 70A26 | | |
| $MODELNAME$ | PLOT DATE = 4/7/2014 | DATE - | REVISED - | | SCALE: SHEET OF SHEETS STA. TO STA. | | ILLINOIS FED. AID PROJECT | | | |

⚠ SHEET ADDED 4-10-14