



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/15/13

ROUTE FAI 70 (I-70) DESCRIPTION Overhead Sign Truss LOGGED BY E. Sandschafer
SECTION N/A LOCATION SE, SEC. 11, TWP. 8 N, RNG. 6 E, 3 PM
COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

| STRUCT. NO. Station | D E P T H S | B L O W S | U C S Qu | M O I S T T | Surface Water Elev. | | D E P T H S | B L O W S | U C S Qu | M O I S T T |
|---|----------------------------|-----------------------|-------------------|----------------------------|---|-----|----------------------------|-----------------------|-------------------|----------------------------|
| | | | | | ft | ft | | | | |
| 75025070L099.5 | | | | | N/A | N/A | | | | |
| 1 (North) | | | | | | | | | | |
| 2433+87 | | | | | | | | | | |
| 72.0ft North | | | | | | | | | | |
| 593.27 | | | | | | | | | | |
| Topsoil. 593.07 | | | | | Hard, very moist, brown, CLAY LOAM TILL. (continued) 572.27 | | | | | |
| Hard, moist, brown, SANDY CLAY LOAM TILL. | | | | | Extent of exploration. | | | | | |
| | 13 | | | | Benchmark: BM LIN3 Chisled square on top of center concrete foundation for "Exit 98 Chicago Memphis 1 Mile" Sta 2433+00 = 594.32' elevation. Provided by Program Development. | | | | | |
| | 26 | 10.1 | 9 | | | | | | | |
| | 29 | S | | | | | | | | |
| | 19 | | | | | | | | | |
| | 27 | 11.52 | 8 | | | | | | | |
| | 36 | B | | | | | | | | |
| | 13 | | | | | | | | | |
| | 24 | 11.52 | 9 | | | | | | | |
| | 50/4" | B | | | | | | | | |
| 583.77 | | | | | Hard, very moist, brown, CLAY LOAM TILL. | | | | | |
| | 12 | | | | | | | | | |
| | 16 | 7.83 | 12 | | | | | | | |
| | 21 | BS | | | | | | | | |
| | 10 | | | | | | | | | |
| | 25 | 9.38 | 11 | | | | | | | |
| | 33 | S | | | | | | | | |
| 578.77 | | | | | Hard, very moist, brown, SANDY CLAY LOAM TILL. | | | | | |
| | 23 | | | | | | | | | |
| | 39 | +4.5 | 10 | | | | | | | |
| | 33 | PP | | | | | | | | |
| 576.27 | | | | | Hard, very moist, brown, CLAY LOAM TILL. | | | | | |
| | 25 | | | | | | | | | |
| | 50 | 4.84 | 9 | | | | | | | |
| | 46 | S | | | | | | | | |
| | 23 | | | | | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Sealing
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)



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|--|----------------------------|-----------------------|-------------------|----------------------------|---|-----|----------------------------|-----------------------|-------------------|----------------------------|
| | | | | | ft | ft | | | | |
| 75025070L099.5 | | | | | N/A | N/A | | | | |
| 2 (South) | | | | | | | | | | |
| 2433+82 | | | | | | | | | | |
| 13.0ft North | | | | | | | | | | |
| 592.36 | | | | | | | | | | |
| Topsoil. 592.16 | | | | | Hard, very moist, brown, CLAY LOAM TILL. (continued) | | | | | |
| Hard, very moist, brown, CLAY LOAM TILL. | | | | | Extent of exploration. | | | | | |
| | 11 | | | | Benchmark: BM LIN3 Chisled square on top of center concrete foundation for "Exit 98 Chicago Memphis 1 Mile" Sta 2433+00 = 594.32' elevation. Provided by Program Development. | | | | | |
| | 18 | 10.47 | 8 | | | | | | | |
| | 22 | S | | | | | | | | |
| | 17 | | | | | | | | | |
| | 24 | 8.98 | 9 | | | | | | | |
| | 30 | S | | | | | | | | |
| | 10 | | | | | | | | | |
| | 20 | 10.91 | 10 | | | | | | | |
| | 30 | S | | | | | | | | |
| | 19 | | | | | | | | | |
| | 33 | 10.47 | 9 | | | | | | | |
| | 44 | BS | | | | | | | | |
| 580.36 | | | | | Hard, very moist, brown, SANDY CLAY LOAM TILL. | | | | | |
| | 20 | | | | | | | | | |
| | 25 | 6.76 | 10 | | | | | | | |
| | 50 | S | | | | | | | | |
| | 25 | | | | | | | | | |
| | 31 | 6.76 | 8 | | | | | | | |
| | 28 | S | | | | | | | | |
| 575.36 | | | | | Hard, very moist, brown, CLAY LOAM TILL. | | | | | |
| | 18 | | | | | | | | | |
| | 18 | 7.83 | 11 | | | | | | | |
| | 28 | BS | | | | | | | | |
| | 18 | | | | | | | | | |

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File Name: S:\NEW GEOTECHNICAL\GINT\DATA\PROJECTS\EFFINGHAM CO (025)\025-0000 (75025070L099.5 SIGN TRUSS) SOI 2013.GPJ Data Template: 06TEMPLE.GDT Date Printed: 6/24/13
Latitude: W 88 deg 29 min 08.145 sec Longitude: N 39 deg 09 min 10.415 sec Datum: 25 Number

File Name: S:\NEW GEOTECHNICAL\GINT\DATA\PROJECTS\EFFINGHAM CO (025)\025-0000 (75025070L099.5 SIGN TRUSS) SOI 2013.GPJ Data Template: 06TEMPLE.GDT Date Printed: 6/24/13
Latitude: W 88 deg 29 min 08.117 sec Longitude: N 39 deg 09 min 08.744 sec Datum: Job Number

| | | | | | | | | | | | | | | | | | | |
|-----------|-----------|----------|---------|---|--|--|--|-------------|--|--|--|-----------|---------|--------|--------------------|-----------|----|------|
| FILE NAME | USER NAME | DESIGNED | REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | BORING LOGS | | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| ... | ... | DRAWN | REVISED | | | | | | | | | | | | 47 | 31 | | |
| ... | ... | CHECKED | REVISED | | | | | | | | | | | | CONTRACT NO. 46306 | | | |
| ... | ... | DATE | REVISED | | | | | | | | | SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |