



# SOIL BORING LOG

ROUTE FAI Rt. 57 DESCRIPTION Mast Arm at NB Off Ramp to Pesotum Rest Area LOGGED BY CNA

SECTION \_\_\_\_\_ LOCATION NE, SEC. 21, TWP. 17N, RNG. 8E, 3<sup>rd</sup> PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 010 IO57  
Station R221.05  
188+50

BORING NO. 1 Mast Arm  
Station 188+57  
Offset 211.0 ft Rt. of Median CL  
Ground Surface Elev. 698.8 ft

| D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S<br><br>Qu | M<br>O<br>I<br>S<br>T | Surface Water Elev. _____ ft      | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S<br><br>Qu | M<br>O<br>I<br>S<br>T |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| (ft)                  | (/6")                 | (tsf)                 | (%)                   | Stream Bed Elev. _____ ft         | (ft)                  | (/6")                 | (tsf)                 | (%)                   |
|                       |                       |                       |                       | Groundwater Elev.: _____          |                       |                       |                       |                       |
|                       |                       |                       |                       | First Encounter <u>690.3</u> ft ▼ |                       |                       |                       |                       |
|                       |                       |                       |                       | Upon Completion <u>692.8</u> ft ▼ |                       |                       |                       |                       |
|                       |                       |                       |                       | After _____ Hrs. _____ ft         |                       |                       |                       |                       |

|                                                 |    |     |    |                                                                      |  |    |     |    |
|-------------------------------------------------|----|-----|----|----------------------------------------------------------------------|--|----|-----|----|
| Gravel (Shoulder Stone)                         |    |     |    | Gray Clay Loam Till ( <i>continued</i> )                             |  |    |     |    |
| 697.8                                           |    |     |    |                                                                      |  |    |     |    |
| Brown/Gray Mottled Silty Clay Loam (Embankment) |    |     |    |                                                                      |  |    |     |    |
|                                                 |    |     |    |                                                                      |  |    |     |    |
|                                                 | 2  |     |    |                                                                      |  |    |     |    |
|                                                 | 4  | 2.5 | 28 | (NOTE: Soil Boring Taken 7' North & 10' West of Existing Foundation) |  | 3  |     |    |
|                                                 | 5  | B   |    |                                                                      |  | 5  | 5.0 | 11 |
| -5                                              |    |     |    |                                                                      |  | 10 | B   |    |
| 693.3                                           |    |     |    | End of Boring                                                        |  |    |     |    |
| Black Silty Clay (Top Soil) ▼                   |    |     |    |                                                                      |  |    |     |    |
| 692.3                                           | 1  |     |    |                                                                      |  |    |     |    |
| Brown - Gray Soft Mottled Silty Clay Loam       | 2  |     |    |                                                                      |  |    |     |    |
|                                                 | 3  |     |    |                                                                      |  |    |     |    |
|                                                 |    |     |    |                                                                      |  |    |     |    |
| 689.8                                           | 0  |     |    |                                                                      |  |    |     |    |
| Brown Clay Loam Till                            | 4  | 5.6 | 17 |                                                                      |  |    |     |    |
| -10                                             | 6  | B   |    |                                                                      |  |    |     |    |
|                                                 |    |     |    |                                                                      |  |    |     |    |
|                                                 | 4  |     |    |                                                                      |  |    |     |    |
|                                                 | 7  | 3.7 | 13 |                                                                      |  |    |     |    |
| 686.3                                           | 10 | B   |    |                                                                      |  |    |     |    |
| Gray Clay Loam Till                             |    |     |    |                                                                      |  |    |     |    |
|                                                 |    |     |    |                                                                      |  |    |     |    |
|                                                 | 3  |     |    |                                                                      |  |    |     |    |
|                                                 | 6  | 1.9 | 12 |                                                                      |  |    |     |    |
| -15                                             | 9  | B   |    |                                                                      |  |    |     |    |
|                                                 |    |     |    |                                                                      |  |    |     |    |
|                                                 | 5  |     |    |                                                                      |  |    |     |    |
|                                                 | 8  | 5.2 | 11 |                                                                      |  |    |     |    |
|                                                 | 12 | B   |    |                                                                      |  |    |     |    |
|                                                 |    |     |    |                                                                      |  |    |     |    |
|                                                 | 4  |     |    |                                                                      |  |    |     |    |
|                                                 | 10 | 7.0 | 11 |                                                                      |  |    |     |    |
| -20                                             | 10 | B   |    |                                                                      |  |    |     |    |

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)  
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)