

## SOIL BORING LOG

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Date 10/31/90

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Mattis Avenue LOGGED BY KWW  
SECTION Median Cable 2013-1 LOCATION NE, SEC. 8, TWP. 20N, RNG. 8E, 3rd PM GPS:  
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0270 D E L T H P O W S T H S Qu T  
Station 1087+94.54 Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
BORING NO. 7 HTCMB Groundwater Elev.: \_\_\_\_\_ ft  
Station 1087+50 First Encounter \_\_\_\_\_ ft  
Offset 12.0 ft Lt. Upon Completion \_\_\_\_\_ ft  
Ground Surface Elev. 776.3 ft After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

| Soil Description                             | Depth (ft) | B  | U   | M | (ft) | (/6") | (tst) | (%) |
|--|------------|----|-----|---|------|-------|-------|-----|
| Brown Sand Loam                              | -5         | 4  |     |   |      |       | 19    |     |
|  | 769.8      |    |     |   |      |       |       |     |
| Brown Clay Loam Till                         |            | 10 | 2.9 |   |      | B     | 15    |     |
|  | 767.3      |    |     |   |      |       |       |     |
| Gray Clay Loam Till                          | -10        | 12 | 3.1 |   |      | B     | 12    |     |
|  |            | 11 | 3.1 |   |      | B     | 11    |     |
| (Soil information taken from bridge borings) |            |    |     |   |      |       |       |     |
| (N Values shown are Per Foot)                | -15        | 12 | 3.5 |   |      | B     | 9     |     |
| End of Boring                                | -20        |    |     |   |      |       |       |     |

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)

## SOIL BORING LOG

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Date 1/16/13

ROUTE FAI Rt. 74 DESCRIPTION HTCMB at Median Crossover (1114+57) LOGGED BY CNA  
SECTION Median Cable 2013-1 LOCATION NW, SEC. 2, TWP. 20N, RNG. 8E, 3rd PM GPS:  
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Crossover D E L T H P O W S T H S Qu T  
Station \_\_\_\_\_ Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
BORING NO. 8 HTCMB Groundwater Elev.: \_\_\_\_\_ ft  
Station 1114+84 First Encounter \_\_\_\_\_ ft  
Offset 6.0 ft Lt. Upon Completion \_\_\_\_\_ ft  
Ground Surface Elev. 769.9 ft After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

| Soil Description                            | Depth (ft) | B   | U   | M | (ft) | (/6") | (tst) | (%) |
|---|------------|-----|-----|---|------|-------|-------|-----|
| Brown/Gray to Brown Silty Clay (Embankment) |            | 4   |     |   |      |       | 27    |     |
|   |            | 5   | 2.1 |   |      | B     |       |     |
|   |            | 4   |     |   |      |       |       |     |
|   |            | 2   |     |   |      |       |       |     |
|   | 765.4      | 3   | 1.8 |   |      | B     | 25    |     |
| Brown Silt (Wet - Trace of Free Water)      | -5         | 3   |     |   |      | B     |       |     |
|   | 763.9      |     |     |   |      |       |       |     |
| Brown Clay Loam Till                        |            | 6   |     |   |      |       |       |     |
|   |            | 5   | 2.0 |   |      | B     | 15    |     |
|   |            | 6   |     |   |      |       |       |     |
|   |            | 4   |     |   |      |       |       |     |
|   |            | 5   | 2.0 |   |      | B     | 10    |     |
|   | 759.9      | -10 |     |   |      |       |       |     |
| End of Boring                               | -20        |     |     |   |      |       |       |     |

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)

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|                            |                |           |
|----------------------------|----------------|-----------|
| USER NAME = Richard Heinke | DESIGNED - JAH | REVISED - |
| DRAWN - RNH                | REVISER -      |           |
| PLOT SCALE = 2.0000' / in. | CHECKED - TMM  | REVISER - |
| PLOT DATE = 3/7/2013       | DATE -         | REVISER - |

| F.A.I. RTE.        | SECTION             | COUNTY    | TOTAL SHEETS              | SHEET NO. |
|--------------------|---------------------|-----------|---------------------------|-----------|
| 74                 | MEDIAN CABLE 2013-1 | CHAMPAIGN | 119                       | 50        |
| CONTRACT NO. 70A00 |                     |           | ILLINOIS FED. AID PROJECT |           |