



### SOIL BORING LOG

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Date 6/23/10

ROUTE I-270 DESCRIPTION I-270 CORC Retaining Wall LOGGED BY JK

SECTION 60-1B-1 LOCATION SEC.29, TWP. 4N, RNG. 9W, PM

COUNTY Madison DRILLING METHOD HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. \_\_\_\_\_  
 Station \_\_\_\_\_  
 BORING NO. RT-5  
 Station 2+00  
 Offset 0.00ft  
 Ground Surface Elev. 421.8 ft (ft) (ft) (ft) (tsf) (%)

| SOIL                  | DEPTH (ft) | U | M | Surface Water Elev. (ft) | D | B | U | M |
|-----------------------|------------|---|---|--------------------------|---|---|---|---|
| TOPSOIL               | 420.81     |   |   | 400.81                   |   |   |   |   |
| Brown SILTY SAND      | 2          |   |   |                          |   |   |   |   |
|                       | 6          |   |   |                          |   |   |   |   |
|                       | 6          |   |   |                          |   |   |   |   |
| Brown SANDY SILT      | 418.31     |   |   | 398.31                   |   |   |   |   |
|                       | 3          |   |   |                          |   |   |   |   |
|                       | 5          |   |   |                          |   |   |   |   |
|                       | 5          |   |   |                          |   |   |   |   |
| Brown-gray Lean CLAY  | 413.61     |   |   | 395.81                   |   |   |   |   |
|                       | 1          |   |   |                          |   |   |   |   |
|                       | 1          |   |   |                          |   |   |   |   |
| Brown SANDY SILT      | 411.31     |   |   | 390.81                   |   |   |   |   |
|                       | 10         |   |   |                          |   |   |   |   |
|                       | 3          |   |   |                          |   |   |   |   |
|                       | 3          |   |   |                          |   |   |   |   |
| Brown SILT, with Sand | 405.81     |   |   | 385.81                   |   |   |   |   |
|                       | 1          |   |   |                          |   |   |   |   |
|                       | 1          |   |   |                          |   |   |   |   |
| Brown SILTY SAND      | 403.81     |   |   | 383.81                   |   |   |   |   |
|                       | 1          |   |   |                          |   |   |   |   |
|                       | 2          |   |   |                          |   |   |   |   |
|                       | 3          |   |   |                          |   |   |   |   |

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, from 137 (Rev. 8-99)



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 Station \_\_\_\_\_  
 BORING NO. RT-5  
 Station 2+00  
 Offset 0.00ft  
 Ground Surface Elev. 421.8 ft (ft) (ft) (ft) (tsf) (%)

| SOIL   | DEPTH (ft) | U | M | Surface Water Elev. (ft) | D | B | U | M |
|--|------------|---|---|--------------------------|---|---|---|---|
| Gray Fine to Coarse SAND, Trace Silt (continued) | 390.81     |   |   |                          |   |   |   |   |
|  | 5          |   |   |                          |   |   |   |   |
|  | 9          |   |   |                          |   |   |   |   |
|  | 13         |   |   |                          |   |   |   |   |
|  | 8          |   |   |                          |   |   |   |   |
|  | 11         |   |   |                          |   |   |   |   |
|  | 13         |   |   |                          |   |   |   |   |
| Gray Fine to Coarse SAND, Trace Silt and Gravel  | 375.81     |   |   |                          |   |   |   |   |
|  | 10         |   |   |                          |   |   |   |   |
|  | 18         |   |   |                          |   |   |   |   |
|  | 20         |   |   |                          |   |   |   |   |
| Sand=95.4%, Silt/CL=1.5%, Gravel=3.1%            | 5          |   |   |                          |   |   |   |   |
|  | 8          |   |   |                          |   |   |   |   |
|  | 10         |   |   |                          |   |   |   |   |
|  | 50         |   |   |                          |   |   |   |   |
| Gray Fine to Medium SAND, Trace Silt and Gravel  | 345.31     |   |   |                          |   |   |   |   |
|  | 6          |   |   |                          |   |   |   |   |
|  | 6          |   |   |                          |   |   |   |   |
|  | 6          |   |   |                          |   |   |   |   |
| Gray Fine to Medium SAND, Trace Silt             | 363.31     |   |   |                          |   |   |   |   |
|  | 6          |   |   |                          |   |   |   |   |
|  | 11         |   |   |                          |   |   |   |   |
|  | 18         |   |   |                          |   |   |   |   |

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SECTION 60-1B-1 LOCATION SEC.29, TWP. 4N, RNG. 9W, PM

COUNTY Madison DRILLING METHOD HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. \_\_\_\_\_  
 Station \_\_\_\_\_  
 BORING NO. RT-5  
 Station 2+50  
 Offset 4.00ft South  
 Ground Surface Elev. 421.2 ft (ft) (ft) (ft) (tsf) (%)

| SOIL                                  | DEPTH (ft) | U | M | Surface Water Elev. (ft) | D | B | U | M |
|---------------------------------------|------------|---|---|--------------------------|---|---|---|---|
| TOPSOIL                               | 420.20     |   |   | 400.20                   |   |   |   |   |
| Brown Lean CLAY, Trace Sand           | 2          |   |   |                          |   |   |   |   |
|                                       | 3          |   |   |                          |   |   |   |   |
|                                       | 4          |   |   |                          |   |   |   |   |
| Brown SANDY SILT                      | 417.70     |   |   | 395.20                   |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
| Brown Fine SAND, Trace Silt           | 412.70     |   |   | 392.70                   |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
| Gray Lean CLAY, Trace Sand            | 410.70     |   |   | 390.20                   |   |   |   |   |
|                                       | 1          |   |   |                          |   |   |   |   |
|                                       | 1          |   |   |                          |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
| Brown SANDY SILT                      | 408.20     |   |   | 387.70                   |   |   |   |   |
|                                       | 1          |   |   |                          |   |   |   |   |
|                                       | 2          |   |   |                          |   |   |   |   |
|                                       | 4          |   |   |                          |   |   |   |   |
|                                       | 8          |   |   |                          |   |   |   |   |
| Brown Fine to Medium SAND, Trace Silt | 402.70     |   |   | 385.20                   |   |   |   |   |
|                                       | 3          |   |   |                          |   |   |   |   |
|                                       | 4          |   |   |                          |   |   |   |   |
|                                       | 8          |   |   |                          |   |   |   |   |

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COUNTY Madison DRILLING METHOD HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. \_\_\_\_\_  
 Station \_\_\_\_\_  
 BORING NO. RT-6  
 Station 2+50  
 Offset 4.00ft South  
 Ground Surface Elev. 421.2 ft (ft) (ft) (ft) (tsf) (%)

| SOIL   | DEPTH (ft) | U | M | Surface Water Elev. (ft) | D | B | U | M |
|--|------------|---|---|--------------------------|---|---|---|---|
| Gray Fine to Medium SAND, Trace Silt (continued) | 390.20     |   |   |                          |   |   |   |   |
|  | 5          |   |   |                          |   |   |   |   |
|  | 11         |   |   |                          |   |   |   |   |
|  | 13         |   |   |                          |   |   |   |   |
|  | 13         |   |   |                          |   |   |   |   |
| Gray Fine SAND, Trace Silt                       | 377.70     |   |   | 357.70                   |   |   |   |   |
|  | 8          |   |   |                          |   |   |   |   |
|  | 13         |   |   |                          |   |   |   |   |
|  | 15         |   |   |                          |   |   |   |   |
| Gray Fine to Coarse SAND, Trace Silt             | 375.20     |   |   |                          |   |   |   |   |
|  | 6          |   |   |                          |   |   |   |   |
|  | 12         |   |   |                          |   |   |   |   |
|  | 17         |   |   |                          |   |   |   |   |
| Gray Fine to Medium SAND, Trace Silt             | 372.70     |   |   | 352.70                   |   |   |   |   |
|  | 8          |   |   |                          |   |   |   |   |
|  | 11         |   |   |                          |   |   |   |   |
|  | 15         |   |   |                          |   |   |   |   |
|  | 50         |   |   |                          |   |   |   |   |
| Gray Fine to Coarse SAND, Trace Gravel           | 367.70     |   |   |                          |   |   |   |   |
|  | 15         |   |   |                          |   |   |   |   |
|  | 10         |   |   |                          |   |   |   |   |
|  | 14         |   |   |                          |   |   |   |   |
|  | 8          |   |   |                          |   |   |   |   |
| Gray Fine SAND, Trace Silt                       | 352.70     |   |   |                          |   |   |   |   |
|  | 14         |   |   |                          |   |   |   |   |
|  | 27         |   |   |                          |   |   |   |   |
|  | 27         |   |   |                          |   |   |   |   |

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 BBS, from 137 (Rev. 8-99)

|  |                      |                |           |
|--|----------------------|----------------|-----------|
| FILE NAME = 060W008-76A91-010-Soil.Borings.dgn | USER NAME = jehrhart | DESIGNED - JCE | REVISED - |
| PLOT SCALE = 1:0.0833333                       | PLOT DATE = 3/18/11  | CHECKED - PMH  | REVISED - |
|  |                      | DRAWN - AMV    | REVISED - |
|  |                      | CHECKED - JCE  | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS  
 STRUCTURE NO. 060-W008  
 SHEET NO. 10 OF 19 SHEETS**

| F.A.I. RTE.        | SECTION | COUNTY  | TOTAL SHEETS              | SHEET NO. |
|--------------------|---------|---------|---------------------------|-----------|
| 270                | 60-1B-1 | MADISON | 712                       | 522       |
| CONTRACT NO. 76A91 |         |         | ILLINOIS FED. AID PROJECT |           |