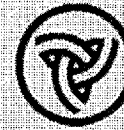


District 4  
Schedule of Overhead Sign Structure Repair & Replacement



Illinois Department of Transportation  
Division of Highways  
IDOT

SOIL BORING LOG

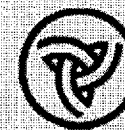
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ROUTE VARIOUS ROUTES DESCRIPTION Overhead Sign Truss US 34 to NB US 150 (Exist S.N. 49048U034L005.4) KNOX CO LOGGED BY JAR  
SECTION Sign Trusses LOCATION KNOX CO, SEC. TWP. RNG.

| COUNTY   | VARIOUS           | DRILLING METHOD  | Hollow Stem Auger            | HAMMER TYPE                             | AUTO      |       |     |
|--|-------------------|------------------|------------------------------|---|-----------|-------|-----|
| STRUCT. NO.  | 49048U034L005.4   | Station          | 501+85 (US 34 Sta)           | BORING NO.                              | 250       |       |     |
| Station  | 2+50 (Short Ramp) | Offset           | 43.00ft N of BL (Short Ramp) | Ground Surface Elev.                    | 786.38 ft |       |     |
| Surface Water Elev.  |                   | Stream Bed Elev. |                              | Groundwater Elev.                       |           |       |     |
| First Encounter  | 785.4 ft          | Upon Completion  | 778.1 ft                     | After 48 Hrs.                           | 779.3 ft  |       |     |
| D  | B                 | U                | M                            | D                                       | B         | U     | M   |
| E  | L                 | C                | O                            | E                                       | L         | C     | O   |
| P  | O                 | S                | I                            | P                                       | O         | S     | I   |
| T  | W                 | S                | S                            | T                                       | W         | S     | S   |
| H  | S                 | Qu               | T                            | H                                       | S         | Qu    | T   |
| (ft)   | (/6")             | (tsf)            | (%)                          | (ft)                                    | (/6")     | (tsf) | (%) |
| DK. Brown SILTY CLAY LOAM  |                   |                  |                              | Brown & Gray CLAY LOAM TILL (continued) |           |       |     |
|  |                   |                  |                              | 3                                       | B         |       |     |
|  |                   |                  |                              | 2                                       |           |       |     |
|  | 3                 | 3.0              | 26.0                         | 4                                       | 3.7       | 16.0  |     |
|  | 5                 | P                |                              | 7                                       | B         |       |     |
| Brown & Gray SILTY LOAM 782.38   |                   |                  |                              | 760.68                                  |           |       |     |
|  | 2                 |                  |                              | 6                                       |           |       |     |
|  | 2                 | 1.1              | 28.0                         | 9                                       | 5.0       | 13.0  |     |
|  | 4                 | B                |                              | 12                                      | B         |       |     |
| EXIST TRUSS @ 2+73<br>ASSUME SHORT RAMP STA<br>INCREASES WEST TO EAST<br>End of Boring |                   |                  |                              |   |           |       |     |
|  | 1                 |                  |                              |   |           |       |     |
|  | 2                 | 0.7              | 26.0                         |   |           |       |     |
|  | 2                 | B                |                              |   |           |       |     |
|  | 2                 |                  |                              |   |           |       |     |
|  | 3                 | 2.5              | 23.0                         |   |           |       |     |
|  | 4                 | B                |                              |   |           |       |     |
| Brown & Gray SILTY CLAY 772.38   |                   |                  |                              |   |           |       |     |
|  | 1                 |                  |                              |   |           |       |     |
|  | 2                 | 1.3              | 27.0                         |   |           |       |     |
|  | 2                 | B                |                              |   |           |       |     |
| Gray CLAY LOAM 769.88  |                   |                  |                              |   |           |       |     |
|  | 2                 |                  |                              |   |           |       |     |
|  | 3                 | 1.9              | 18.0                         |   |           |       |     |
|  | 3                 | B                |                              |   |           |       |     |
| Brown & Gray CLAY LOAM TILL 767.38   |                   |                  |                              |   |           |       |     |
|  | 2                 |                  |                              |   |           |       |     |
|  | 2                 | 1.0              | 19.0                         |   |           |       |     |

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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ROUTE VARIOUS ROUTES DESCRIPTION Overhead Sign Truss US 34 to NB US 150 (Exist S.N. 49048U034L005.4) KNOX CO LOGGED BY JAR  
SECTION Sign Trusses LOCATION KNOX CO, SEC. TWP. RNG.

| COUNTY   | VARIOUS         | DRILLING METHOD  | Hollow Stem Auger            | HAMMER TYPE                             | AUTO      |       |     |
|--|-----------------|------------------|------------------------------|---|-----------|-------|-----|
| STRUCT. NO.  | 49048U034L005.4 | Station          | 501+85 (US 34 Sta)           | BORING NO.                              | 273       |       |     |
| Station  | 2+73 (Ramp)     | Offset           | 23.00ft S of BL (Short Ramp) | Ground Surface Elev.                    | 783.78 ft |       |     |
| Surface Water Elev.  |                 | Stream Bed Elev. |                              | Groundwater Elev.                       |           |       |     |
| First Encounter  | 769.8 ft        | Upon Completion  | 778.2 ft                     | After 48 Hrs.                           | 779.3 ft  |       |     |
| D  | B               | U                | M                            | D                                       | B         | U     | M   |
| E  | L               | C                | O                            | E                                       | L         | C     | O   |
| P  | O               | S                | I                            | P                                       | O         | S     | I   |
| T  | W               | S                | S                            | T                                       | W         | S     | S   |
| H  | S               | Qu               | T                            | H                                       | S         | Qu    | T   |
| (ft)   | (/6")           | (tsf)            | (%)                          | (ft)                                    | (/6")     | (tsf) | (%) |
| Brown & Gray SILTY LOAM  |                 |                  |                              | Brown & Gray CLAY LOAM TILL (continued) |           |       |     |
|  |                 |                  |                              | 12                                      | B         |       |     |
|  |                 |                  |                              | 4                                       |           |       |     |
|  | 1               | 1.0              | 26.0                         | 6                                       | 5.8       | 12.0  |     |
|  | 2               | B                |                              | 10                                      | B         |       |     |
| Gray SILTY CLAY 759.78   |                 |                  |                              | 758.28                                  |           |       |     |
|  | 1               |                  |                              | 3                                       |           |       |     |
|  | 1               | 0.3              | 26.0                         | 14                                      | 4.6       | 15.0  |     |
|  | 2               | B                |                              | 24                                      | S         |       |     |
| EXIST TRUSS @ 2+73<br>ASSUME SHORT RAMP STA<br>INCREASES WEST TO EAST<br>End of Boring |                 |                  |                              |   |           |       |     |
|  | 1               |                  |                              |   |           |       |     |
|  | 2               | 1.0              | 26.0                         |   |           |       |     |
|  | 3               | B                |                              |   |           |       |     |
| Brown & Gray SILTY CLAY 774.78   |                 |                  |                              |   |           |       |     |
|  | 1               |                  |                              |   |           |       |     |
|  | 1               | 1.3              | 27.0                         |   |           |       |     |
|  | 2               | S                |                              |   |           |       |     |
| Gray CLAY LOAM 772.28  |                 |                  |                              |   |           |       |     |
|  | 2               |                  |                              |   |           |       |     |
|  | 2               | 1.4              | 27.0                         |   |           |       |     |
|  | 3               | B                |                              |   |           |       |     |
|  | 2               |                  |                              |   |           |       |     |
|  | 3               | 1.4              | 24.0                         |   |           |       |     |
|  | 3               | B                |                              |   |           |       |     |
|  | 1               |                  |                              |   |           |       |     |
|  | 2               | 1.2              | 23.0                         |   |           |       |     |
|  | 1               | B                |                              |   |           |       |     |
| Brown & Gray CLAY LOAM TILL 764.78   |                 |                  |                              |   |           |       |     |
|  | 3               |                  |                              |   |           |       |     |
|  | 7               | 3.3              | 15.0                         |   |           |       |     |

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)