



600 Territorial Drive, Suite G  
Bolingbrook, IL 60440  
Ph: 630-754-8700  
www.interra.co

# SOIL BORING LOG

Page 1 of 1

Date 4/12/12

ROUTE FAP 305 DESCRIPTION FAP Route 305 (Willow Road) LOGGED BY SC

SECTION (1920,01,1518,2022&1922,4B)R LOCATION FAP 305

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO.                    | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S<br>Qu | M<br>O<br>I<br>S<br>T<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>Qu | M<br>O<br>I<br>S<br>T<br>T |
|--------------------------------|-----------------------|-----------------------|-------------------|----------------------------|---------------------------------|-----------------------|-----------------------|-------------------|----------------------------|
| Station _____                  | (ft)                  | (/6")                 | (tsf)             | (%)                        | Stream Bed Elev. _____ ft       | (ft)                  | (/6")                 | (tsf)             | (%)                        |
| BORING NO. SB-04               |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
| Station 712+08.00              |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
| Offset 14.25ft RT              |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
| Ground Surface Elev. 631.52 ft |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
| 5" ASPHALT                     | 631.10                |                       |                   |                            | Hard                            |                       |                       |                   |                            |
| 8" CONCRETE                    | 630.44                |                       |                   |                            | Gray, Moist                     |                       |                       |                   |                            |
| Hard                           |                       | 7                     |                   |                            | CLAY                            |                       | 9                     |                   |                            |
| Brown, Moist                   |                       | 9                     | 4.5               | 14.3                       | PID Reading = 0 ppm (continued) |                       | 12                    | 4.0               | 15.7                       |
| CLAY (fill)                    |                       | 9                     | P                 |                            |                                 |                       | 16                    | P                 |                            |
| PID Reading = 0 ppm            |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
|                                |                       |                       |                   |                            | Very Stiff                      |                       |                       |                   |                            |
|                                |                       | 6                     |                   |                            | Gray, Moist                     |                       | 7                     |                   |                            |
|                                |                       | 8                     | 4.5               | 14.0                       | CLAY                            |                       | 10                    | 3.5               | 13.8                       |
|                                |                       | -5                    | P                 |                            | PID Reading = 0 ppm             |                       | 12                    | P                 |                            |
|                                | 626.02                |                       |                   |                            |                                 |                       |                       |                   |                            |
| Stiff                          |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
| Brown, Moist                   |                       | 3                     |                   |                            |                                 |                       | 10                    |                   |                            |
| CLAY (fill)                    |                       | 4                     | 1.5               | 17.4                       |                                 |                       | 12                    | 2.5               | 13.9                       |
| PID Reading = 0 ppm            |                       | 7                     | P                 |                            |                                 |                       | 15                    | P                 |                            |
|                                | 623.52                |                       |                   |                            | Dense                           |                       |                       |                   |                            |
| Very Stiff                     |                       | 4                     |                   |                            | Gray, Moist                     |                       | 12                    |                   |                            |
| CLAY                           |                       | 5                     | 2.0               | 25.3                       | SILT                            |                       | 18                    |                   | 20.6                       |
| PID Reading = 0 ppm            |                       | -10                   | P                 |                            | PID Reading = 0 ppm             |                       | 19                    |                   |                            |
|                                | 621.02                |                       |                   |                            | End of Boring                   |                       |                       |                   |                            |
| Hard                           |                       | 5                     |                   |                            |                                 |                       |                       |                   |                            |
| Gray, Moist                    |                       | 9                     | 4.5               | 15.7                       |                                 |                       |                       |                   |                            |
| CLAY                           |                       | 10                    | P                 |                            |                                 |                       |                       |                   |                            |
| PID Reading = 0 ppm            |                       |                       |                   |                            |                                 |                       |                       |                   |                            |
|                                |                       | 5                     |                   |                            |                                 |                       |                       |                   |                            |
|                                |                       | 9                     | 4.9               | 12.2                       |                                 |                       |                       |                   |                            |
|                                |                       | -15                   | B                 |                            |                                 |                       |                       |                   |                            |
|                                |                       | 5                     |                   |                            |                                 |                       |                       |                   |                            |
|                                |                       | 9                     | 6.8               | 12.7                       |                                 |                       |                       |                   |                            |
|                                |                       | 16                    | B                 |                            |                                 |                       |                       |                   |                            |
|                                |                       | 10                    |                   |                            |                                 |                       |                       |                   |                            |
|                                |                       | 12                    | 7.9               | 13.9                       |                                 |                       |                       |                   |                            |
|                                |                       | -20                   | B                 |                            |                                 |                       |                       |                   |                            |

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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Date 4/12/12

ROUTE FAP 305 DESCRIPTION FAP Route 305 (Willow Road) LOGGED BY SC

SECTION (1920,01,1518,2022&1922,4B)R LOCATION FAP 305

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO.                    | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S<br>Qu | M<br>O<br>I<br>S<br>T<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>Qu | M<br>O<br>I<br>S<br>T<br>T |
|--------------------------------|-----------------------|-----------------------|-------------------|----------------------------|------------------------------|-----------------------|-----------------------|-------------------|----------------------------|
| Station _____                  | (ft)                  | (/6")                 | (tsf)             | (%)                        | Stream Bed Elev. _____ ft    | (ft)                  | (/6")                 | (tsf)             | (%)                        |
| BORING NO. SB-05               |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Station 712+81.23              |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Offset 13.25ft RT              |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Ground Surface Elev. 631.89 ft |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| 5" ASPHALT                     | 631.47                |                       |                   |                            |                              |                       |                       |                   |                            |
| 9" CONCRETE                    | 630.72                |                       |                   |                            | Very Stiff,                  |                       |                       |                   |                            |
| Hard                           |                       | 4                     |                   |                            | Gray, Moist                  |                       |                       |                   |                            |
| Brown, Moist                   |                       | 6                     | 4.5               | 14.4                       | CLAY                         |                       | 3                     |                   |                            |
| CLAY (fill)                    |                       | 8                     | P                 |                            | PID Reading = 0 ppm          |                       | 5                     | 2.8               | 17.7                       |
| PID Reading = 0 ppm            |                       |                       |                   |                            |                              |                       | 6                     | P                 |                            |
|                                |                       |                       |                   |                            |                              |                       |                       |                   |                            |
|                                |                       | 4                     |                   |                            |                              |                       | 4                     |                   |                            |
|                                |                       | 5                     | 4.5               | 15.0                       |                              |                       | 5                     | 2.5               | 18.2                       |
|                                |                       | -5                    | P                 |                            |                              |                       | 7                     | P                 |                            |
|                                | 626.39                |                       |                   |                            |                              |                       |                       |                   |                            |
| Very Stiff,                    |                       |                       |                   |                            | Hard                         |                       |                       |                   |                            |
| Brown to black, Moist          |                       | 3                     |                   |                            | Gray, Moist                  |                       | 6                     |                   |                            |
| CLAY (fill)                    |                       | 4                     | 3.3               | 18.8                       | CLAY                         |                       | 10                    | 4.5               | 11.9                       |
| PID Reading = 0 ppm            |                       | 3                     | P                 |                            | PID Reading = 0 ppm          |                       | 12                    | P                 |                            |
|                                | 623.89                |                       |                   |                            | Very Stiff,                  |                       |                       |                   |                            |
| Very Stiff,                    |                       | 3                     |                   |                            | Gray, Moist                  |                       | 4                     |                   |                            |
| Black, Moist                   |                       | 5                     | 2.0               | 18.3                       | CLAY                         |                       | 5                     | 2.5               | 16.9                       |
| CLAY (Possible buried topsoil) |                       | -10                   | P                 |                            | PID Reading = 0 ppm          |                       | 6                     | P                 |                            |
| PID Reading = 0 ppm            |                       |                       |                   |                            | End of Boring                |                       |                       |                   |                            |
| Organic Content = 2.6%         | 621.39                |                       |                   |                            |                              |                       |                       |                   |                            |
| Very Soft                      |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Gray, Moist                    |                       | 3                     |                   |                            |                              |                       |                       |                   |                            |
| CLAY                           |                       | 2                     | 0.3               | 19.8                       |                              |                       |                       |                   |                            |
| PID Reading = 0 ppm            |                       | 3                     | P                 |                            |                              |                       |                       |                   |                            |
|                                | 618.89                |                       |                   |                            |                              |                       |                       |                   |                            |
| Very Stiff                     |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Gray, Moist                    |                       |                       | 2.4               | 16.7                       |                              |                       |                       |                   |                            |
| CLAY                           |                       |                       | B                 |                            |                              |                       |                       |                   |                            |
|                                |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Shelby tube (13'-15')          |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| PID Reading = 0 ppm            | 616.39                |                       |                   |                            |                              |                       |                       |                   |                            |
| Hard                           |                       |                       |                   |                            |                              |                       |                       |                   |                            |
| Gray, Moist                    |                       | 5                     |                   |                            |                              |                       |                       |                   |                            |
| CLAY                           |                       | 8                     | 8.3               | 14.5                       |                              |                       |                       |                   |                            |
| PID Reading = 0 ppm            |                       | 9                     | S                 |                            |                              |                       |                       |                   |                            |
|                                |                       | 6                     |                   |                            |                              |                       |                       |                   |                            |
|                                |                       | 8                     | 5.8               | 15.0                       |                              |                       |                       |                   |                            |
|                                |                       | -20                   | B                 |                            |                              |                       |                       |                   |                            |

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)

12/5/2012 5:46:43 PM - G:\CHIN\058\Bridges\CADD\Sheets\WALL A - DIB0135-09-BL.DWG



|                             |                |             |
|-----------------------------|----------------|-------------|
| USER NAME = jrmickow        | DESIGNED - JRM | REVISED -   |
| CHECKED - MDS               | REVISIONS -    |             |
| PLOT SCALE = 2:0.0000' = 1" | DRAWN - DMG    | REVISIONS - |
| PLOT DATE = 12/5/2012       | CHECKED - MDS  | REVISIONS - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
RETAINING WALL A

SHEET NO. 9 OF 10 SHEETS

| F.A.P. RTE.               | SECTION                      | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|------------------------------|--------|--------------------|-----------|
| 0305                      | (1920,01,1518,2022&1922,4B)R | COOK   | 919                | 489       |
| ILLINOIS FED. AID PROJECT |                              |        | CONTRACT NO. 60T35 |           |