



### SOIL BORING LOG

ROUTE FAI 80 DESCRIPTION P92-040-02b Bridge over US 34, 1.7 m. E. of IL 26 Date 3/9/04  
 SECTION 06-SHB-1 LOCATION Princeton Twp. - 3SE, SEC. , TWP. 16N, RNG. 9E LOGGED BY W. Garza  
 COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO.<br>Station           | D<br>E<br>P<br>T<br>H<br>ft | B<br>L<br>O<br>W<br>S<br>(ft) | U<br>C<br>S<br>Qu<br>(tsf) | M<br>O<br>I<br>S<br>T<br>(%) | Surface Water Elev. <u>Dry</u> ft | Stream Bed Elev. _____ ft | Groundwater Elev.:<br>First Encounter _____ ft | Upon Completion _____ ft | After _____ Hrs. | D<br>E<br>P<br>T<br>H<br>ft | B<br>L<br>O<br>W<br>S<br>(ft) | U<br>C<br>S<br>Qu<br>(tsf) | M<br>O<br>I<br>S<br>T<br>(%) |
|----------------------------------|-----------------------------|-------------------------------|----------------------------|------------------------------|-----------------------------------|---------------------------|--|--------------------------|------------------|-----------------------------|-------------------------------|----------------------------|------------------------------|
|                                  |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| MEDIUM dark gray SILTY CLAY LOAM |                             |                               | 0.8 P                      | 23                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 708.30                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| STIFF gray SILTY CLAY LOAM       |                             | 5                             | 1.7 B                      | 26                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 706.80                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| MEDIUM gray SILTY CLAY           |                             | 2                             | 0.5 P                      | 12                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 704.30                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| SOFT gray SILT                   |                             | 1                             | 0.4 B                      | 24                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 701.80                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| MEDIUM tan/gray SILTY CLAY TILL  |                             | 1                             | 1.0 B                      | 13                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 699.30                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| VERY STIFF gray SILTY CLAY TILL  |                             | 1                             | 2.1 B                      | 16                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 696.80                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| STIFF gray SILTY CLAY TILL       |                             | 2                             | 1.4 B                      | 14                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 694.30                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| STIFF gray SILTY CLAY TILL       |                             | 3                             | 1.9 B                      | 16                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 691.80                           |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |

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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|--|-----------------------------|-------------------------------|----------------------------|------------------------------|-----------------------------------|---------------------------|--|--------------------------|------------------|-----------------------------|-------------------------------|----------------------------|------------------------------|
|  |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL                    |                             | 10                            | 5.8 B                      | 12                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 669.30                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL with medium GRAVEL |                             | 7                             | 7.0 B                      | 28                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 666.80                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL with medium GRAVEL |                             | 8                             | 6.2 B                      | 11                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 664.30                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL with medium GRAVEL |                             | 7                             | 4.8 B                      | 12                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 661.80                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL with medium GRAVEL |                             | 9                             | 5.4 B                      | 10                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 659.30                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL                    |                             | 6                             | 5.8 B                      | 12                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 656.80                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL with medium GRAVEL |                             | 7                             | 4.1 S                      | 10                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 654.30                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| HARD gray SANDY CLAY TILL                    |                             | 10                            | 6.0 B                      | 12                           |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| 651.80                                       |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |
| End of Boring                                |                             |                               |                            |                              |                                   |                           |  |                          |                  |                             |                               |                            |                              |

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Stationing Note:  
 Plan Station 3070+32.00 = Boring Station 1219+90.89

|                            |             |               |           |   |  |                           |                               |        |              |           |  |
|----------------------------|-------------|---------------|-----------|---|--|---------------------------|-------------------------------|--------|--------------|-----------|--|
| FILE NAME =                | USER NAME = | DESIGNED - DY | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SOIL BORING B-2<br/>STRUCTURE NO. 006-0020 EB AND 006-0021 WB</b> | F.A.I. RTE.               | SECTION                       | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| <b>TYLIN INTERNATIONAL</b> |             | CHECKED - PF  | REVISED - |   |  | 80                        | [(06-5)HBR-1]VBR[(06-6)RS-3&1 | BUREAU | 249          | 101       |  |
| PLOT SCALE =               |             | DRAWN - DY    | REVISED - |   |  | CONTRACT NO. 66686        |                               |        |              |           |  |
| PLOT DATE = 09/13/2011     |             | CHECKED - PF  | REVISED - |   |  | ILLINOIS FED. AID PROJECT |                               |        |              |           |  |