

# BORING LOGS

EXISTING CULVERT AT STATION 119+48.8  
 STATION OF BORING 119+33.8  
 ELEVATION 100.4 = ELEVATION (EXISTING) 898.5

EXISTING CULVERT AT STATION 119+48.8  
 STATION OF BORING 119+69.8  
 ELEVATION 98.8 = ELEVATION (EXISTING) 896

Illinois Department of Transportation  
 Division of Highways  
 Illinois Department of Transportation

SOIL BORING LOG

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 Date 3/12/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, Canyon Park Road, 1.5 miles W. of IL 78 LOGGED BY W. Garza

SECTION LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1036  
 Station \_\_\_\_\_

BORING NO. B-1c  
 Station 15' W  
 Offset 9.00ft S CL  
 Ground Surface Elev. 100.4 ft

| SOIL DESCRIPTION  | DEPTH (ft)         | U (tsf)  | M (%) | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter (ft) | Upon Completion (ft) | After (Hrs) |
|---|--------------------|----------|-------|--------------------------|-----------------------|------------------------|----------------------|----------------------|-------------|
| 9.8" Asphalt<br>SOFT tan LOAM                             | 0.3                | 17       |       | 92.5                     | 92.0                  |                        |                      |                      |             |
| STIFF brown SILTY CLAY LOAM                               | 2<br>3<br>4        | 1.9<br>B | 23    |                          |                       |                        |                      |                      |             |
| SOFT brown SILTY LOAM                                     | 0<br>1<br>4        | 0.3<br>P | 25    |                          |                       |                        |                      |                      |             |
| STIFF brown SILTY CLAY LOAM                               | 0<br>1<br>4        | 1.0<br>B |       |                          |                       |                        |                      |                      |             |
| MEDIUM brown SILTY CLAY LOAM                              | 1<br>2<br>4        | 0.5<br>B | 28    |                          |                       |                        |                      |                      |             |
| MEDIUM brown/tan SILTY CLAY LOAM with LIMESTONE fragments | 1<br>6<br>11       | 0.6<br>P | 26    |                          |                       |                        |                      |                      |             |
| DENSE tan weathered LIMESTONE                             | 19<br>20<br>13     |          |       |                          |                       |                        |                      |                      |             |
| VERY DENSE tan weathered LIMESTONE                        | 59<br>14<br>100/4" |          |       |                          |                       |                        |                      |                      |             |
| End of Boring   |                    |          |       |                          |                       |                        |                      |                      |             |

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 3/12/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, Canyon Park road, 1.5 m. W. of IL 78 LOGGED BY W. Garza

SECTION LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. \_\_\_\_\_  
 Station \_\_\_\_\_

BORING NO. B-2c  
 Station 21' E  
 Offset 11.00ft N CL  
 Ground Surface Elev. 98.8 ft

| SOIL DESCRIPTION  | DEPTH (ft)  | U (tsf)  | M (%) | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter (ft) | Upon Completion (ft) | After (Hrs) |
|---|-------------|----------|-------|--------------------------|-----------------------|------------------------|----------------------|----------------------|-------------|
| SOFT tan LOAM   | 0.3         | 17       |       | 92.5                     | 92.0                  |                        |                      |                      |             |
| STIFF tan SILTY CLAY LOAM                                 | 2<br>2<br>4 | 1.3<br>B | 31    |                          |                       |                        |                      |                      |             |
| STIFF tan SILTY LOAM                                      | 1<br>3<br>4 | 1.0<br>P | 22    |                          |                       |                        |                      |                      |             |
| MEDIUM tan SILTY LOAM                                     | 0<br>3<br>4 | 0.9<br>S | 28    |                          |                       |                        |                      |                      |             |
| MEDIUM gray SILTY LOAM                                    | 3<br>4<br>4 | 0.9<br>B | 32    |                          |                       |                        |                      |                      |             |
| STIFF brown/gray SILTY CLAY LOAM                          | 1<br>4<br>5 | 1.9<br>B | 22    |                          |                       |                        |                      |                      |             |
| STIFF brown/gray SILTY CLAY LOAM                          | 1<br>3<br>4 | 1.1<br>B | 28    |                          |                       |                        |                      |                      |             |
| MEDIUM brown tan SILTY CLAY LOAM with LIMESTONE fragments | 0<br>1<br>4 | 0.6<br>P | 21    |                          |                       |                        |                      |                      |             |
| End of Boring   |             |          |       |                          |                       |                        |                      |                      |             |

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 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

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