



Illinois Department  
of Transportation  
Division of Highways  
IDOT

# SOIL BORING LOG

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Date 7/6/10

ROUTE FAP 711 DESCRIPTION Box Culvert 1/2 Mile West of Potomac on US 136 LOGGED BY CNA

SECTION 115CR LOCATION SE, SEC. 4, TWP. 21N, RNG. 13W, 2nd PM GPS:

COUNTY Vermillion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-8031  
Station 172+30  
BORING NO. 1 NE Boring  
Station 172+40  
Offset 31.0 ft Lt.  
Ground Surface Elev. 669.7 ft

Surface Water Elev. 674.6 ft  
Stream Bed Elev. 660.8 ft  
Groundwater Elev.:  
First Encounter 668.7 ft  
Upon Completion 661.7 ft  
After Hrs.

| DEPTH (ft) | DESCRIPTION                    | DEPTH (ft) | BLOWS | UCS Qu (tsf) | MOIST (%) | DEPTH (ft) | BLOWS | UCS Qu (tsf) | MOIST (%) |
|------------|--------------------------------|------------|-------|--------------|-----------|------------|-------|--------------|-----------|
| 0          | Red Brown Clay Loam (Backfill) | 0          | 2     |              |           | 0          | 2     | 0.6 B        | 20        |
| 1          |                                | 1          | 3     |              |           | 1          | 3     |              |           |
| 2          |                                | 2          | 2     |              |           | 2          | 2     |              |           |
| 3          |                                | 3          | 4     |              |           | 3          | 4     |              |           |
| 4          |                                | 4          | 7     |              |           | 4          | 7     |              |           |
| 5          |                                | 5          |       |              |           | 5          |       |              |           |
| 6          |                                | 6          | 1     |              |           | 6          | 1     |              |           |
| 7          |                                | 7          | 1     |              |           | 7          | 1     |              |           |
| 8          |                                | 8          | 2     |              |           | 8          | 2     |              |           |
| 9          |                                | 9          | -10   |              |           | 9          | -10   |              |           |
| 10         |                                | 10         |       |              |           | 10         |       |              |           |
| 11         |                                | 11         | 3     |              |           | 11         | 3     |              |           |
| 12         |                                | 12         | 3     |              |           | 12         | 3     |              |           |
| 13         |                                | 13         | 6     |              |           | 13         | 6     |              |           |
| 14         |                                | 14         |       |              |           | 14         |       |              |           |
| 15         |                                | 15         | 3     |              |           | 15         | 3     |              |           |
| 16         |                                | 16         | 6     |              |           | 16         | 6     |              |           |
| 17         |                                | 17         | 8     |              |           | 17         | 8     |              |           |
| 18         |                                | 18         |       |              |           | 18         |       |              |           |
| 19         |                                | 19         |       |              |           | 19         |       |              |           |
| 20         |                                | 20         | 3     |              |           | 20         | 3     |              |           |
| 21         |                                | 21         | 3     |              |           | 21         | 3     |              |           |
| 22         |                                | 22         | 6     |              |           | 22         | 6     |              |           |
| 23         |                                | 23         |       |              |           | 23         |       |              |           |
| 24         |                                | 24         | 3     |              |           | 24         | 3     |              |           |
| 25         |                                | 25         | 3     |              |           | 25         | 3     |              |           |
| 26         |                                | 26         | 6     |              |           | 26         | 6     |              |           |
| 27         |                                | 27         | 8     |              |           | 27         | 8     |              |           |
| 28         |                                | 28         |       |              |           | 28         |       |              |           |
| 29         |                                | 29         |       |              |           | 29         |       |              |           |
| 30         |                                | 30         | 5     |              |           | 30         | 5     |              |           |
| 31         |                                | 31         | 7     |              |           | 31         | 7     |              |           |
| 32         |                                | 32         |       |              |           | 32         |       |              |           |
| 33         |                                | 33         |       |              |           | 33         |       |              |           |
| 34         |                                | 34         |       |              |           | 34         |       |              |           |
| 35         |                                | 35         |       |              |           | 35         |       |              |           |
| 36         |                                | 36         |       |              |           | 36         |       |              |           |
| 37         |                                | 37         |       |              |           | 37         |       |              |           |
| 38         |                                | 38         |       |              |           | 38         |       |              |           |
| 39         |                                | 39         |       |              |           | 39         |       |              |           |
| 40         |                                | 40         |       |              |           | 40         |       |              |           |

Red Brown Dirty Poorly Sorted Coarse Sand with Gravel

Gray Sandy Clay Loam Till

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. 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)

7/13/2010 1:18:33 PM S:\SOILS\BORING LOGS\VERMILION CNTY\092-8031.GPJ

|   |                      |                |           |
|---|----------------------|----------------|-----------|
| FILE NAME =   | USER NAME = shererjm | DESIGNED - JMS | REVISED - |
| ct:\pw\work\p\dot\shererjm\d0189007\0570617-sht-Details.dgn |                      | DRAWN - JMS    | REVISED - |
| PLOT SCALE = 40.0000' / IN.                                 |                      | CHECKED -      | REVISED - |
| PLOT DATE = 11/16/2010                                      |                      | DATE - 031210  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS  
PROPOSED SN 092-8086

SCALE: N/A SHEET NO. 8 OF 8 SHEETS STA. TO STA.

|                           |         |           |                    |           |
|---------------------------|---------|-----------|--------------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY    | TOTAL SHEETS       | SHEET NO. |
| 711                       | 115CR   | VERMILION | 39                 | 18        |
|                           |         |           | CONTRACT NO. 70617 |           |
| ILLINOIS FED. AID PROJECT |         |           |                    |           |