

| F.A.I. RTE.         | SECTION    | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|---------------------|------------|----------|------------------|-----------|
| 72                  | D-6 ITS #2 | SANGAMON | 30               | 29        |
| FED. ROAD DIST. NO. |            | ILLINOIS | FED. AID PROJECT |           |



Illinois Department of Transportation  
Division of Highways  
IDOT District 6

SOIL BORING LOG

Page 1 of 1

Date 7/6/06

ROUTE FAI 72 DESCRIPTION ITS Sign I-72 West Bound Lanes Near Riverton LOGGED BY M. Tappan  
SECTION D6 ITS 2 LOCATION NE 14, SEC. 21, TWP. 16 N, RNG. 4 W, 3 PM  
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 6S0841072L106.2  
Station 171+700  
BORING NO. 1 North (Right)  
Station 171+700  
Offset 30.0ft Lt WBL CL  
Ground Surface Elev. 549 ft  
D E P T H (ft) B L O W S (B) U L T I M E S (min) M O S T L Y (ft) S O I L D E S C R I P T I O N  
Surface Water Elev. NA ft  
Stream Bed Elev. NA ft  
Groundwater Elev.:  
No Encounter ft  
First Encounter No Encounter ft  
Upon Completion Dry  
After 6 Days Hrs. 538.5 ft

|   |        |       |    |  |
|---|--------|-------|----|--|
| Greyish Brown Dry CLAY LOAM (Yll)                             | 7      |       |    |  |
| Broken Sample   | 15     | +4.5  | 8  |  |
|   | 25     | P     |    |  |
|   | 8      |       |    |  |
|   | 26     | +10.0 | 8  |  |
|   | 39     | S-10  |    |  |
|   | -5     |       |    |  |
| Broken Sample   | 7      |       |    |  |
|   | 22     | 10.0  | 8  |  |
|   | 37     | E     |    |  |
|   | 541.00 |       |    |  |
| Light Greyish Brown Moist V. Weathered Micaceous Silty SHALE  | 5      |       |    |  |
|   | 14     | 2.7   | 12 |  |
|   | 19     | S-10  |    |  |
|   | -10    |       |    |  |
| Weathered   | 2      |       |    |  |
|   | 15     | 3.4   | 14 |  |
|   | 25     | S-10  |    |  |
|   | 11     |       |    |  |
| Grey Dry Friable Silty SHALE                                  | 100    |       | 7  |  |
|   | 38"    |       |    |  |
|   | -15    |       |    |  |
|   | 19     |       |    |  |
| Grey Dry Interbedded Friable Silty SHALE and Calcareous SHALE | 100    |       | 8  |  |
|   | 2"     |       |    |  |
| Boring Completed  |        |       |    |  |
| Refer STA to Stamp on Road, STA Increase to East              |        |       |    |  |
| Refer Elevation to cL WB I-72 STA 171+700 = 549.5'            |        |       |    |  |
|   | -20    |       |    |  |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)  
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating  
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)

File Name: S:\PROJECTS\72A18\SANGAMON\72A18\_171+700\BORING\72A18\_171+700\_01.DWG Date Plotted: 8/1/06  
 Labeled as: 72A18\_171+700\_01.DWG by: M. Tappan, 8/1/06



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SECTION D6 ITS 2 LOCATION NE 14, SEC. 21, TWP. 16 N, RNG. 4 W, 3 PM  
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 6S0841072L106.2  
Station 171+700  
BORING NO. 2 Median (Left)  
Station 171+700  
Offset 48.0ft Rt WBL CL  
Ground Surface Elev. 546.9 ft  
D E P T H (ft) B L O W S (B) U L T I M E S (min) M O S T L Y (ft) S O I L D E S C R I P T I O N  
Surface Water Elev. NA ft  
Stream Bed Elev. NA ft  
Groundwater Elev.:  
Cored ft  
First Encounter Cored ft  
Upon Completion Cored ft  
After 6 Days Hrs. 584.9 ft

|   |        |     |   |  |
|---|--------|-----|---|--|
| Greyish Brown Dry CLAY LOAM (Yll)       | 4      |     |   |  |
|   | 15     | 7.6 | 8 |  |
|   | 19     | S-5 |   |  |
|   | 6      |     |   |  |
| Auger Refusal at 4.0' - Begin Rock Core | 541.90 |     |   |  |
| Borehole continued with rock coring.    | 100    |     |   |  |
|   | 4"     |     |   |  |
|   | -5     |     |   |  |
|   | -10    |     |   |  |
|   | -15    |     |   |  |
|   | -20    |     |   |  |

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| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
SOIL BORINGS  
F.A.I. 72 (I-72)  
SECTION D-6 ITS #2  
SANGAMON COUNTY

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_

DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_