



# SOIL BORING LOG

Page 1 of 2

Date 9/9/10

ROUTE FAI 57/FAP 331 DESCRIPTION FAI 57 over IL Rte 13 LOGGED BY KEG  
 SECTION (X1-6-2)HBK-2 LOCATION Marion; N 1/2 Section 14, TWP 9S, RNG 2E  
 COUNTY Williamson DRILLING METHOD CME 55LC/HSA HAMMER TYPE Automatic

| STRUCT. NO.                                        | Station    | BORING NO. | Station    | Offset     | Ground Surface Elev. | DEPTH (ft) | BLOW (ft/6") | UCS (tsf) | MOIST (%) | Surface Water Elev. ft | Stream Bed Elev. ft | Groundwater Elev.:                     | First Encounter | Upon Completion | After Hrs. |
|----------------------------------------------------|------------|------------|------------|------------|----------------------|------------|--------------|-----------|-----------|------------------------|---------------------|----------------------------------------|-----------------|-----------------|------------|
| 100-0088 (NB) & 100-0089 (SB)                      | 1489+26.76 | B-2        | 1489+26.76 | 77.0 ft Rt | 470.51               |            |              |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Brown, silty clay (A-7)                      |            |            |            |            |                      | 4          |              |           |           | 450.0                  |                     | FILL: Gray and brown, silty clay (A-6) |                 |                 |            |
|                                                    |            |            |            |            |                      | 6          | 4.0          | 14        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 5          | P            |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Brown and gray, sandy clay, trace rock (A-6) |            |            |            |            |                      | 3          |              |           |           | 447.5                  |                     | CLAY: Gray and brown (A-7)             |                 |                 |            |
| LL-37, PL-19, PL-18                                |            |            |            |            |                      | 3          | 1.5          | 15        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 2          | P            |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Brown and gray, sandy clay (A-6)             |            |            |            |            |                      | 4          |              |           |           | 442.0                  |                     | SILTY CLAY: Gray and brown (A-7)       |                 |                 |            |
|                                                    |            |            |            |            |                      | 3          | 3.5          | 17        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 4          | B            |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Dark gray, clayey shale, some rock           |            |            |            |            |                      | 7          |              |           |           |                        |                     | CLAY: Brown and gray (A-7)             |                 |                 |            |
|                                                    |            |            |            |            |                      | 12         | -            | 21        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 6          |              |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Brown, silty clay (A-6)                      |            |            |            |            |                      | 8          |              |           |           | 438.5                  |                     | CLAY: Brown and gray (A-7)             |                 |                 |            |
|                                                    |            |            |            |            |                      | 5          | 3.5          | 20        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 6          | B            |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Gray and brown, clay (A-7)                   |            |            |            |            |                      | 4          |              |           |           |                        |                     | Some sand, trace gravel                |                 |                 |            |
|                                                    |            |            |            |            |                      | 4          | 1.2          | 17        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 5          | S            |           |           |                        |                     |                                        |                 |                 |            |
| FILL: Gray and brown, silty clay (A-7)             |            |            |            |            |                      | 3          |              |           |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 3          | 3.0          | 20        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 5          | P            |           |           |                        |                     |                                        |                 |                 |            |
| Becomes brown                                      |            |            |            |            |                      | 3          |              |           |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 3          | 1.4          | 21        |           |                        |                     |                                        |                 |                 |            |
|                                                    |            |            |            |            |                      | 5          | 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, form 137 (Rev. 8-99)



# SOIL BORING LOG

Page 2 of 2

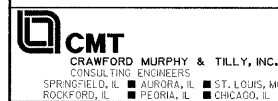
Date 9/9/10

ROUTE FAI 57/FAP 331 DESCRIPTION FAI 57 over IL Rte 13 LOGGED BY KEG  
 SECTION (X1-6-2)HBK-2 LOCATION Marion; N 1/2 Section 14, TWP 9S, RNG 2E  
 COUNTY Williamson DRILLING METHOD CME 55LC/HSA HAMMER TYPE Automatic

| STRUCT. NO.                            | Station    | BORING NO. | Station    | Offset     | Ground Surface Elev. | DEPTH (ft) | BLOW (ft/6") | UCS (tsf) | MOIST (%) | Surface Water Elev. ft | Stream Bed Elev. ft | Groundwater Elev.:          | First Encounter | Upon Completion | After Hrs. |
|----------------------------------------|------------|------------|------------|------------|----------------------|------------|--------------|-----------|-----------|------------------------|---------------------|-----------------------------|-----------------|-----------------|------------|
| 100-0088 (NB) & 100-0089 (SB)          | 1489+26.76 | B-2        | 1489+26.76 | 77.0 ft Rt | 470.51               |            |              |           |           |                        |                     |                             |                 |                 |            |
| CLAY: Brown and gray (A-7) (continued) |            |            |            |            |                      |            |              |           |           | 428.5                  |                     | CLAYEY SHALE: Grayish brown |                 |                 |            |
|                                        |            |            |            |            |                      | 1          |              |           |           |                        |                     |                             |                 |                 |            |
|                                        |            |            |            |            |                      | 3          | 1.8          | 19        |           |                        |                     |                             |                 |                 |            |
|                                        |            |            |            |            |                      | 12         | B            |           |           |                        |                     |                             |                 |                 |            |
| COAL: Black                            |            |            |            |            |                      | 50/3"      | -            | 13        |           | 425.0                  |                     | CLAYEY SHALE: Gray          |                 |                 |            |
|                                        |            |            |            |            |                      | 50/2"      |              |           |           |                        |                     |                             |                 |                 |            |
|                                        |            |            |            |            |                      | 22         |              |           |           | 423.0                  |                     |                             |                 |                 |            |
|                                        |            |            |            |            |                      | 45         | -            | 15        |           |                        |                     |                             |                 |                 |            |
|                                        |            |            |            |            |                      | 50         |              |           |           |                        |                     |                             |                 |                 |            |
|                                        |            |            |            |            |                      | 100/1      | -            | 10        |           |                        |                     |                             |                 |                 |            |
| End of Boring                          |            |            |            |            |                      | 100/1      | -            | 13        |           | 416.9                  |                     |                             |                 |                 |            |

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, form 137 (Rev. 8-99)



FILE NAME = ...1-57\062.BORING LOGS V.dgn

USER NAME = Rob Heady  
 PLOT SCALE =  
 PLOT DATE = 10/7/2011

DESIGNED - BPD  
 CHECKED - WLB  
 DRAWN - GLD  
 CHECKED - BPD

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS V  
 STRUCTURE NO. 100-0088 (N.B.) & 100-0089 (S.B.)

SHEET NO. 71 OF 75 SHEETS

| F.A. RTE.                   | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
|-----------------------------|-------------|--------------------|--------------|-----------|
| *                           | X1-6-2HBK-2 | WILLIAMSON         | 968          | 656       |
| * F.A.I. 57 AND F.A.P. 331  |             | CONTRACT NO. 78182 |              |           |
| [ILLINOIS] FED. AID PROJECT |             |                    |              |           |