



# Illinois Department of Transportation.

## Bridge Foundation Boring Log

Sh. 2 of 4 Sh.

PROJECT \_\_\_\_\_ BRIDGE Light Standard Date 10/29/85  
 ROUTE FAI-57 South Bound Rest Area Bored By Winschief  
 SEC. (10-30) RA-L STA. \_\_\_\_\_ Checked By TGB

COUNTY Champaign

Boring No. 2  
 Station 36+15  
 Offset 85' Lt

Surface Water El. \_\_\_\_\_  
 Groundwater El. at  
 Completion Dry  
 After \_\_\_\_\_ Hours \_\_\_\_\_

|                                                    | Elevation | N  | Qu t/sf. | w (%) |  | Elevation | N | Qu t/sf. | w (%) |
|----------------------------------------------------|-----------|----|----------|-------|--|-----------|---|----------|-------|
| Ground Surface                                     | 0         |    |          |       |  |           |   |          |       |
| BROWN SILTY CLAY                                   |           |    |          |       |  |           |   |          |       |
|                                                    | -5        | 9  | 3.7      | 22    |  | -25       |   |          |       |
|                                                    |           |    |          |       |  |           |   |          |       |
|                                                    | -6        |    | B        |       |  |           |   |          |       |
|                                                    |           | 6  | 1.9      | 24    |  | -30       |   |          |       |
| BROWN GRAY MOTTLED SILTY CLAY LOAM                 |           |    |          |       |  |           |   |          |       |
|                                                    | -10       | 5  | B        |       |  |           |   |          |       |
|                                                    |           |    | 1.0      | 21    |  |           |   |          |       |
| BROWN TO BROWN GRAY MOTTLED SANDY CLAY LOAM (TILL) |           |    |          |       |  |           |   |          |       |
|                                                    | -12       |    | B        |       |  | -35       |   |          |       |
|                                                    |           | 12 | 5.4      | 14    |  |           |   |          |       |
|                                                    | -15       | 20 | S        |       |  |           |   |          |       |
|                                                    |           |    | 9.1      | 12    |  |           |   |          |       |
| GRAY SANDY CLAY LOAM TILL                          |           |    |          |       |  |           |   |          |       |
|                                                    | -15       |    | B        |       |  | -40       |   |          |       |
|                                                    |           | 15 | 7.0      | 11    |  |           |   |          |       |
|                                                    | -20       | 20 | B        |       |  |           |   |          |       |
|                                                    |           |    | 8.7      | 11    |  | -45       |   |          |       |
| LIMIT OF BORING                                    |           |    |          |       |  |           |   |          |       |

N-Standard Penetration Test-  
 Blows per foot to drive 2"  
 O.D. Split Spoon Sampler 12" with  
 140 No. hammer falling 30".

Qu-Unconfined Compressive  
 Strength - t/sf

w - Water Content - percentage  
 of oven dry weight-%

Type failure:  
 B - Bulge Failure  
 S - Shear Failure  
 E - Estimated Value  
 P - Penetrometer

211



# Illinois Department of Transportation.

## Bridge Foundation Boring Log

Sh.1 of 4 Sh.

PROJECT \_\_\_\_\_ BRIDGE Light Standard Date 10/29/85

ROUTE FAI-57 South Bound Rest Area Bored By Winschief

SEC. (10-30) RA-L STA. \_\_\_\_\_ Checked By TGB

COUNTY Champaign

Boring No. 1  
Station 38+50  
Offset 85' Lt

Surface Water El. \_\_\_\_\_  
Groundwater El. at Completion DRY  
After \_\_\_\_\_ Hours \_\_\_\_\_

|                                         | Elevation | N  | Qu t/s.f. | w (%) |  | Elevation | N | Qu t/s.f. | w (%) |
|-----------------------------------------|-----------|----|-----------|-------|--|-----------|---|-----------|-------|
| Ground Surface                          | 0         |    |           |       |  |           |   |           |       |
| BROWN MIXED<br>SILTY CLAY<br>EMBANKMENT | -5        | 11 | B<br>4.7  | 24    |  | -25       |   |           |       |
| BROWN<br>CLAY LOAM                      | -6        |    | B<br>3.1  | 15    |  | -30       |   |           |       |
| BROWN SANDY<br>CLAY LOAM TILL           | -10       | 11 | B<br>5.2  | 15    |  |           |   |           |       |
|                                         | -14       |    | B<br>6.6  | 13    |  | -35       |   |           |       |
|                                         | -15       | 21 | S<br>10.7 | 12    |  |           |   |           |       |
| GRAY SANDY<br>CLAY LOAM<br>TILL         | -19       |    | B<br>9.9  | 11    |  | -40       |   |           |       |
|                                         | -20       | 18 | B<br>8.9  | 12    |  |           |   |           |       |
| LIMIT OF BORING                         |           |    |           |       |  | -45       |   |           |       |

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140 No. hammer falling 30".

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of oven dry weight. %

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211