Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 1 of 2

Date 2/25/02

ROUTE FAP 310 DESCRIPTION US 67 Flyover Structure for IL 255 Ramp B LOGGED BY Larry Ford

SECTION 60-15HB-3 LOCATION , SEC. 15, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0332
Station

BORING NO. 2 S. App. Bent
Station 15+36
Offset 9.00ft LT BL
Ground Surface Elev. 616.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 607.4 ft ▼
Upon Completion ft
After Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Silty CLAY | | | 3 | | |
| | | | 4 | 1.5 | |
| | | | 5 | S/10 | 27 |
| | | -5 | 3 | | |
| | 610.9 | | 6 | 1.7 | 27 |
| Brown and Gray Silty Clay LOAM | | | 7 | S/15 | 25 |
| | 609.9 | | | 1.5 | |
| | | | | S/15 | |
| Brown Silt LOAM | | | 2 | | |
| | | | 3 | 1.0 | |
| | | | 4 | S/15 | 25 |
| | | ▼ | | | |
| | | -10 | 3 | | |
| | | | 4 | 2.1 | |
| | | | 5 | S/15 | 23 |
| | 604.9 | | | | |
| Brown Clay LOAM | | | 2 | | |
| | | | 5 | 2.4 | |
| | | | 7 | S/15 | 21 |
| | | -15 | 4 | | |
| | | | 5 | 2.0 | |
| | | | 6 | S/15 | 24 |
| | | | 4 | | |
| | | | 4 | 1.4 | |
| | | | 4 | S/15 | 23 |
| | | -20 | | | |
| Brown Clay LOAM (continued) | | | 2 | 0.9 | |
| | | | 3 | | 16 |
| | | | 6 | | |
| | | | 6 | | |
| | | | 10 | 2.1 | |
| | | | 13 | S/15 | 13 |
| | 592.4 | | | | |
| Brown SAND | | -25 | 0 | | |
| | 590.9 | | 3 | | 18 |
| Brown and Gray Clay LOAM | | | 8 | NC | 13 |
| | | | | 2.8 | |
| | | | | S/10 | |
| | | | 3 | | |
| | | | 5 | 1.9 | |
| | | | 8 | S/15 | 12 |
| | | -30 | 3 | | |
| | | | 6 | 1.7 | |
| | | | 8 | S/15 | 12 |
| | 584.4 | | | | |
| Gray Gravelly SAND | | | | | |
| | | -35 | 10 | | |
| | | | 16 | | |
| | | | 24 | NC | 14 |
| | 579.4 | | | | |
| Gray Clay LOAM | | | | | |
| | | -40 | | | |

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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Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 607.4 ft ▼
Upon Completion ft
After Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Gray Clay LOAM (continued) | | | 8 | 3.8 | |
| | | | 10 | B | 12 |
| | | | 12 | | |
| | | -45 | 5 | | |
| | | | 8 | 2.8 | |
| | | | 11 | S/15 | 14 |
| | | -50 | 5 | | |
| | | | 6 | 2.3 | |
| | | | 10 | S/15 | 15 |
| | | -55 | 6 | | |
| | | | 7 | 1.9 | |
| | | | 8 | S/15 | 18 |
| | 559.4 | | | | |
| Gray Silty CLAY | | | | | |
| | | -60 | | | |
| Gray Silty CLAY (continued) | | | 5 | 2.4 | |
| | | | 8 | S/15 | 22 |
| | | | 12 | | |
| | | -65 | 7 | | |
| | | | 17 | 4.2 | |
| | | | 18 | B | 22 |
| | | -70 | 10 | | |
| | | | 15 | 3.9 | |
| | | | 17 | B | 22 |
| | | -75 | 20 | | |
| | | | 30 | 3.5 | |
| | | | 38 | S/15 | 22 |
| | 538.9 | | | | |
| Top of Formation | | | | | |
| LIMESTONE (Drilled Hard) | 537.9 | | | | |
| Auger Refusal on Limestone | | | | | |
| End of Boring | | -80 | | | |

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)

| | |
|---|---|
| DESIGNED | ADL |
| CHECKED | WLW |
| DRAWN | BGJ |
| CHECKED | WLW |

SOIL BORING LOGS
RAMP B OVER FAP RTE 310
SECTION 60-15HB-3
MADISON COUNTY
STATION 17+72.64 (RAMP B)
SN 060-0332

Klingner & Assoc., P.C.


11/10/2008 4:43:51 PM
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