| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.S. 579 | 69-3(3HB) | MORGAN | 793 | 342 |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

SHEET NO. 19 OF 20 SHEETS

Contract No. 72667

## Illinois Department of Transportation — SOIL BORING LOG

Page 1 of 3

Date 10/7/04

ROUTE Concord Road DESCRIPTION Concord Road over US 67 LOGGED BY M. Tappan

SECTION 69-3 LOCATION NE 1/4, SEC. 12, TWP. 15 N, RNG. 11 W, 3 PM

COUNTY Morgan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 069-0513 Station 20+00

BORING NO. CA7 C. Pier Station 20+00 Offset 25.0ft Lt Ground Surface Elev. 615.2 ft

Surface Water Elev. N/A ft Stream Bed Elev. N/A ft

Groundwater Elev.: ▽First Encounter No Encounter ft ▽Upon Completion Washed ft ▽After 168 Hrs. 612.2 ft

| DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Dark Grey to Brown and Grey Moist SILTY CLAY Refer Classification CA-9-1 | | | |
| | 1 | | |
| | 3 | 1.7 | 25 |
| | 5 | B | |
| ▼612.20 | | | |
| Tan and Light Grey Moist SILT Refer Classification CA-9-2 | | | |
| | 1 | | |
| | 2 | 0.5 | 24 |
| -5 | 2 | B | |
| | 0 | | |
| V. Moist | 1 | 0.3 | 30 |
| | 2 | B | |
| | 1 | | |
| Moist | 3 | 2.0 | 24 |
| -10 | 3 | B | |
| | 0 | | |
| V. Moist | 1 | 0.3 | 31 |
| 602.70 | 1 | B | |
| Brown and Dark Grey V. Moist Slightly Organic SILT Refer Classification CA-9-3 | | | |
| | 1 | | |
| | 2 | 0.8 | 24 |
| -15 | 2 | B | |
| 599.20 | | | |
| Grey V. Moist SILT Refer Classification CA-9-4 | 0 | | |
| | 1 | 0.4 | 28 |
| | 1 | B | |
| 597.20 | | | |
| Grey V. Moist SILTY CLAY LOAM Refer Classification CA-9-5 | | | |
| | 0 | | |
| -20 | 1 | 0.3 | 28 |
| | 1 | B | |

| DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Grey V. Moist SILTY CLAY LOAM Refer Classification CA-9-5 (continued) | | | |
| | 0 | | |
| | 1 | 0.6 | 28 |
| 592.20 | 1 | B | |
| Grey Moist Weathered CLAY LOAM (Till) Refer Classification CA-9-6 | | | |
| | 0 | | |
| | 1 | 1.0 | 22 |
| -25 | 2 | B | |
| 587.20 | | | |
| CLAY LOAM (Till) Refer Classifcation CA-10-1 | 2 | | |
| Greyish Brown Moist CLAY LOAM (Till) | 8 | 4.9 | 10 |
| -30 | 12 | S-14 | |
| | 3 | | |
| Grey and Brown | 12 | 5.7 | 9 |
| -35 | 18 | S-14 | |
| | 7 | | |
| Grey Moist CLAY LOAM (Till) | 17 | 7.0 | 8 |
| -40 | 21 | S-13 | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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)

SOIL BORING CONCORD-ARNOLD ELE ROAD INTERSECTION AND STRUC GPJ DETEMPLT GDT 10/20/05
Locate 39 Deg 45 0534 Longitude 90 Deg 23 3079 NAD83

## Illinois Department of Transportation — SOIL BORING LOG

Page 2 of 3

Date 10/7/04

ROUTE Concord Road DESCRIPTION Concord Road over US 67 LOGGED BY M. Tappan

SECTION 69-3 LOCATION NE 1/4, SEC. 12, TWP. 15 N, RNG. 11 W, 3 PM

COUNTY Morgan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 069-0513 Station 20+00

BORING NO. CA7 C. Pier Station 20+00 Offset 25.0ft Lt Ground Surface Elev. 615.2 ft

Surface Water Elev. N/A ft Stream Bed Elev. N/A ft

Groundwater Elev.: ▽First Encounter No Encounter ft ▽Upon Completion Washed ft ▽After 168 Hrs. 612.2 ft

| DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| CLAY LOAM (Till) Refer Classification CA-10-1 (continued) | | | |
| | 4 | | |
| Grey Moist CLAY LOAM (Till) | 5 | 4.9 | 14 |
| -45 | 10 | B | |
| | 5 | | |
| | 8 | 5.2 | 16 |
| -50 | 11 | B | |
| 582.70 | | | |
| Olive Brown and Blue Grey Moist CLAY (Till) | 2 | | |
| | 3 | 3.1 | 20 |
| -55 | 7 | S-13 | |
| | 2 | | |
| Grey and Brown | 5 | 3.1 | 17 |
| -60 | 8 | B | |

| DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Olive Brown and Blue Grey Moist CLAY (Till) (continued) | | | |
| | 2 | | |
| | 6 | 3.3 | 15 |
| -65 | 10 | B | |
| 552.70 | | | |
| Brown Moist CLAY LOAM (Till) | 1 | | |
| | 7 | 3.5 | 17 |
| -70 | 9 | B | |
| | 2 | | |
| | 7 | 4.9 | 16 |
| -75 | 11 | B | |
| Washed Augers End 10/07/04 Work, Begin 03/17/05 | | | |
| 537.70 | | | |
| SHALE Light Brown and Grey Moist Mod Indurated Micaceous Clayey SHALE w/ 6" Seam of Blue Grey Dry Well Indurated Fissle Silty SHALE | 10 | | |
| -80 | 100 | | 14 |
| | /5" | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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)

SOIL BORING CONCORD-ARNOLD ELE ROAD INTERSECTION AND STRUC GPJ DETEMPLT GDT 10/20/05
Locate 39 Deg 45 0534 Longitude 90 Deg 23 3079 NAD83

## Illinois Department of Transportation — SOIL BORING LOG

Page 3 of 3

Date 10/7/04

ROUTE Concord Road DESCRIPTION Concord Road over US 67 LOGGED BY M. Tappan

SECTION 69-3 LOCATION NE 1/4, SEC. 12, TWP. 15 N, RNG. 11 W, 3 PM

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Surface Water Elev. N/A ft Stream Bed Elev. N/A ft

Groundwater Elev.: ▽First Encounter No Encounter ft ▽Upon Completion Washed ft ▽After 168 Hrs. 612.2 ft

| DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| SHALE (continued) | | | |
| | 60 | | 11 |
| Light Blue Grey Dry Fissle Silty SHALE | 100 | | |
| 530.20 -85 | /2" | | |
| Boring Completed to Bedrock | | | |
| -90 | | | |
| -95 | | | |
| -100 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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)

SOIL BORING CONCORD-ARNOLD ELE ROAD INTERSECTION AND STRUC GPJ DETEMPLT GDT 10/20/05
Locate 39 Deg 45 0534 Longitude 90 Deg 23 3079 NAD83

BORING LOGS
C.H. 7 (CONCORD RD.) (F.A.S. 579)
OVER U.S. 67/IL 104 (F.A.P. 310)
MORGAN COUNTY
STA. 807+81.68 - SECTION 69-3(3HB)
S.N. 069-0513