**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

**Date** 7/19/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 1
**Station** 523+34
**Offset** 60.00ft Lt.
**Ground Surface Elev.** 453.3 ft

**Surface Water Elev.** 451.3 ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 451.3 ft
**Upon Completion** ft
**After** 24 **Hrs.** 447.3 ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Dark Brown Silty Clay LOAM | | | | |
| | -5 | 6 | | 30 |
| 447.8 | | | | |
| Light Brown Clay LOAM | | | | |
| | | 7 | 1.21 B | 27 |
| | -10 | 8 | 1.33 B | 28 |
| 442.3 | | | | |
| Blue-Gray Clay LOAM | | | | |
| | | 6 | 0.78 B | 53 |
| | -15 | 5 | 0.73 B | 35 |
| 437.8 | | | | |
| Dark Brown Silty LOAM | | | | |
| | | 9 | 0.58 E | 47 |
| 434.8 | | | | |
| Blue-Gray Fine SAND | | | | |
| 433.8 | | | | |
| Dark Brown Silty LOAM | -20 | 12 | 0.58 B | 27 |
| Dark Brown Silty LOAM *(continued)* | | | | |
| | | 8 | 1.12 B | 31 |
| | -25 | 9 | 1.21 B | 34 |
| 427.3 | | | | |
| Blue-Gray Clay LOAM | | | | |
| | | 10 | 1.14 B | 27 |
| | -30 | 8 | 0.58 B | 33 |
| | | 9 | 1.24 B | 26 |
| | -35 | 8 | 1.33 B | 32 |
| | | 7 | 1.50 B | 29 |
| | -40 | 10 | 1.67 B | 35 |

**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)**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/19/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 1
Station 523+34
Offset 60.00ft Lt.
Ground Surface Elev. 453.3 ft

Surface Water Elev. 451.3 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 451.3 ft
Upon Completion ft
After 24 Hrs. 447.3 ft

| | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 11 | 1.58 B | 16 |
| | -45 | 12 | 1.71 B | 19 |
| | | 10 | 1.52 B | 28 |
| | -50 | 7 | NP | 29 |
| 400.8 | | | | |
| END OF BORING | -55 | | | |
| | -60 | | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

**Date** 7/20/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 2
**Station** 523+79
**Offset** 18.00ft Lt.
**Ground Surface Elev.** 464 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 458.0 ft ▼
**Upon Completion** ft
**After** Hrs. ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Railroad Fill Material with Gravel | | | | |
| | -5 | | | |
| 458.0 ▼ | | | | |
| Light Brown Silty Clay LOAM | | 4 | SN | |
| | | 5 | 0.87 B | 24 |
| | -10 | | | |
| | | 7 | 1.31 B | 24 |
| | | 8 | 1.50 B | 27 |
| | -15 | | | |
| 448.0 | | | | |
| Light Brown Clay LOAM | | 8 | 1.26 B | 31 |
| 446.0 | | | | |
| Blue-Gray Clay LOAM | | 5 | 0.8 E | 35 |
| | -20 | | | |
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 6 | 0.63 B | 24 |
| 441.0 | | | | |
| Dark Brown Silty LOAM | | 8 | 0.53 B | 39 |
| | -25 | | | |
| 438.0 | | | | |
| Blue SAND | | 13 | NP | 24 |
| 436.0 | | | | |
| Dark Brown Silty LOAM | | 11 | 0.58 B | 42 |
| | -30 | | | |
| | | 9 | 1.14 B | 28 |
| | | 10 | 1.14 B | 36 |
| 429.0 | -35 | | | |
| Blue-Gray Clay LOAM | | 10 | 1.06 B | 32 |
| | | 9 | 0.55 B | 33 |
| | -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)**

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

**Date** 7/20/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 2
**Station** 523+79
**Offset** 18.00ft Lt.
**Ground Surface Elev.** 464 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 458.0 ft ▼
**Upon Completion** ft
**After** Hrs. ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 8 | 1.21 B | 30 |
| | | 9 | 1.90 B | 28 |
| | -45 | | | |
| | | 8 | 1.38 B | 32 |
| | | 9 | 1.43 B | 33 |
| | -50 | | | |
| | | 13 | 1.45 B | 27 |
| | | 11 | 1.48 B | 28 |
| | -55 | | | |
| | | 10 | 1.65 B | 27 |
| | | 11 | 1.45 B | 29 |
| | -60 | | | |
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 9 | NP | 28 |
| | 401.5 | | | |
| END OF BORING | | | | |
| | -65 | | | |
| | -70 | | | |
| | -75 | | | |
| | -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)**

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/16/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 3
**Station** 524+48
**Offset** 37.00ft Lt.
**Ground Surface Elev.** 463.9 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 454.9 ft
**Upon Completion** ft
**After** Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Dark Brown Silty Clay LOAM | | -5 | 4 | 0.44 B | 23 |
| | | | 5 | 0.26 B | 27 |
| | | -10 | 9 | 1.14 B | 31 |
| | | | 10 | 1.16 B | 30 |
| | 449.9 | | | | |
| Light Brown Silty Clay LOAM | | -15 | 5 | 0.95 B | 41 |
| | | | 6 | 0.7 B | 49 |
| | | -20 | | 0.89 | 43 |
| Light Brown Silty Clay LOAM *(continued)* | | -25 | 8 | B | |
| *(continued)* | 402.9 | | | | |
| END OF BORING | | | | | |
| Blue-Gray Clay LOAM | | -30 | 9 | 0.99 B | 40 |
| | 439.9 | | | | |
| Dark Brown Silty LOAM with Organics | | -35 | 12 | 0.94 B | 45 |
| | | | 12 | 1.02 B | 54 |
| | | -40 | 14 | 1.02 S | 43 |
| | | | 10 | 0.95 S | 34 |
| | 429.9 | | | | |
| Coarse Gray SAND | | -45 | 11 | NP | 21 |
| | 427.4 | | | | |
| Blue-Gray Clay LOAM | | | 10 | 0.78 B | 35 |
| | | -50 | | 0.84 | 35 |

**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)**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/16/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 3
Station 524+48
Offset 37.00ft Lt.
Ground Surface Elev. 463.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 454.9 ft
Upon Completion ft
After Hrs. ft

| | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue-Gray Clay LOAM *(continued)* | | 9 | B | |
| | | 8 | 0.80 B | 34 |
| | -45 | 8 | 0.82 B | 35 |
| | | 11 | 1.04 B | 35 |
| | -50 | 10 | 1.07 B | 35 |
| | | 12 | 1.10 B | 32 |
| | -55 | 10 | | 25 |
| | | 11 | | 27 |
| | -60 | | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/15/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 4
**Station** 524+83
**Offset** 26.00ft Lt.
**Ground Surface Elev.** 461.3 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 453.3 ft
**Upon Completion** ft
**After** Hrs. ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Dark Brown Silty Clay LOAM | | | | |
| | -5 | 5 | 0.34 E | 33 |
| | | 4 | 0.32 B | 32 |
| | -10 | 11 | 1.31 B | 26 |
| | | 10 | 1.31 B | 31 |
| 447.8 | | | | |
| Light Brown Silty Clay LOAM | -15 | 6 | 1.0 B | 46 |
| | | 5 | 0.97 B | 40 |
| 441.3 | -20 | 9 | 0.90 B | 47 |

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| END OF BORING | | | | |
| Blue-Gray Clay LOAM | | 10 | 0.97 B | 37 |
| 438.3 | | | | |
| Dark Brown Silty LOAM (Organics) | -25 | 11 | 0.87 E | 66 |
| | | 13 | 0.92 E | 53 |
| | -30 | 16 | 0.97 S | 50 |
| | | 9 | 0.97 E | 69 |
| 428.3 | | | | |
| Blue-Gray Clay LOAM | -35 | 7 | 0.58 B | 31 |
| | | 11 | 0.79 B | 38 |
| | -40 | 10 | 0.87 B | 38 |

**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)**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/15/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 4
Station 524+83
Offset 26.00ft Lt.
Ground Surface Elev. 461.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 453.3 ft
Upon Completion ft
After Hrs. ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 8 | 0.84 B | 37 |
| | -45 | 9 | 0.80 B | 37 |
| | | 10 | 1.0 B | 38 |
| | -50 | 11 | 0.97 E | 36 |
| | | 13 | 1.02 B | 36 |
| | -55 | 11 | 1.05 B | 35 |
| | | 13 | 1.12 E | 36 |
| 401.3 | -60 | | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

**Date** 7/7/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 5
**Station** 523+34
**Offset** 43.00ft Rt.
**Ground Surface Elev.** 462 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** ft
**Upon Completion** ft
**After** 48 **Hrs.** 447.0 ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Light Brown Silty Clay LOAM | | | | |
| | | 4 | 0.97 B | 25 |
| | -5 | | | |
| | | 7 | 1.0 B | 22 |
| | | 11 | 0.78 B | 24 |
| | -10 | | | |
| | | 10 | 1.02 B | 31 |
| 449.5 | | | | |
| Brown Organic Clay LOAM | | 9 | 1.33 B | 34 |
| | ▽-15 | | | |
| | | 10 | 1.23 B | 25 |
| 445.0 | | | | |
| Blue Clay LOAM | | 13 | 0.73 B | 27 |
| | -20 | | | |
| Blue Clay LOAM *(continued)* | | | | |
| | | 11 | 0.95 B | 32 |
| | | 12 | 0.80 B | 34 |
| | -25 | | | |
| | | 12 | 0.87 B | 33 |
| 435.0 | | | | |
| Dark Brown Silty Clay LOAM | | 10 | NP | |
| 433.0 | | | | |
| Blue Clay LOAM | -30 | | | |
| | | 10 | 0.97 B | 33 |
| | | 10 | 1.02 B | 36 |
| | -35 | | | |
| | | 11 | 1.41 B | 39 |
| | | 13 | 1.43 B | 38 |
| | -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)**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/7/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 5
Station 523+34
Offset 43.00ft Rt.
Ground Surface Elev. 462 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 48 Hrs. 447.0 ft

| | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue Clay LOAM *(continued)* | | | | |
| | | 14 | 1.28 B | 51 |
| | | 14 | 1.26 B | 30 |
| | -45 | | | |
| | | 16 | 1.23 B | 32 |
| | | 12 | 1.11 B | 33 |
| 412.0 | -50 | | | |
| Blue-Gray Coarse SAND | | 11 | NP | 32 |
| | | 10 | NP | |
| | -55 | | | |
| | | 10 | NP | |
| | | 10 | NP | |
| 402.5 END OF BORING | -60 | | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

**Date** 7/8/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 6
**Station** 523+79
**Offset** 23.00ft Rt.
**Ground Surface Elev.** 462.3 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 454.3 ft
**Upon Completion** ft
**After** 24 **Hrs.** 454.3 ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Light Brown Silty Clay LOAM | | | | |
| | | 4 | 0.97 B | 29 |
| | -5 | | | |
| | | 6 | 1.02 B | 25 |
| | | 8 | 0.97 E | 19 |
| | -10 | | | |
| | | 11 | 1.05 B | 28 |
| 450.3 | | | | |
| Brown Clay LOAM (Organic) | | | | |
| | | 10 | 1.38 B | 27 |
| | -15 | | | |
| | | 11 | 1.16 B | 39 |
| 444.8 | | | | |
| Blue Clay LOAM | | 12 | 0.75 B | 29 |
| | -20 | | | |
| Blue Clay LOAM *(continued)* | | | | |
| | | 10 | 1.0 B | 41 |
| | | 13 | 0.80 S | 42 |
| 437.8 | | | | |
| Dark Brown Silty Clay LOAM | -25 | | | |
| | | 19 | 0.92 S | 29 |
| 433.8 | | 22 | E | 29 |
| Blue-Gray Clay LOAM | -30 | | | |
| | | 17 | 1.26 S | 34 |
| | | 17 | 1.43 S | 32 |
| | -35 | | | |
| | | 14 | 1.47 B | 31 |
| | | 14 | 1.72 B | 31 |
| | -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)**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/8/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 6
Station 523+79
Offset 23.00ft Rt.
Ground Surface Elev. 462.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 454.3 ft
Upon Completion ft
After 24 Hrs. 454.3 ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 12 | 1.31 B | 32 |
| | | | | |
| | | | | 31 |
| | | 4 | | |
| | -45 | | | |
| | | 3 | | 34 |
| | | | | |
| | | 11 | 1.18 B | 36 |
| | -50 | | | |
| | | 14 | | 26 |
| | | | | |
| | | 13 | | 27 |
| | -55 | | | |
| | | 15 | | 24 |
| | 402.8 | | | |
| END OF BORING | -60 | | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/13/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 7
**Station** 524+38
**Offset** 43.00ft Rt.
**Ground Surface Elev.** 462.2 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 452.2 ft
**Upon Completion** ft
**After** 24 **Hrs.** 452.2 ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Railroad Fill Material ROCK and Cinders | 458.7 | | | | |
| Light Brown Silty Clay LOAM | | -5 | | | |
| | | | 5 | 0.97 B | 27 |
| | | | 6 | 1.0 B | 28 |
| | 453.2 | | | | |
| Brown Clay LOAM | | -10 | | | |
| | | | 8 | 1.189 B | 29 |
| | | | 8 | 1.33 B | 34 |
| | | -15 | | | |
| | | | 7 | 1.43 B | 36 |
| | 445.2 | | | | |
| Blue Clay LOAM | | | | | |
| | | | 4 | 1.36 E | 34 |
| | | -20 | | | |
| Blue-Gray Clay LOAM (continued) | 401.7 | | | | |
| END OF BORING | | | 3 | 0.30 E | 32 |
| | 440.2 | | | | |
| Dark Brown Silty Clay LOAM (Organic) | | | | | |
| | | | 18 | 1.10 E | 39 |
| | | -25 | | | |
| | | | 13 | 0.92 S | 48 |
| | | | 15 | 1.02 S | 45 |
| | | -30 | | | |
| | 431.7 | | | | |
| Blue-Gray Clay LOAM | | | 17 | 1.31 S | 28 |
| | | | 17 | 1.55 S | 28 |
| | | -35 | | | |
| | | | 14 | 1.45 B | 30 |
| | | | 16 | 1.65 B | 32 |
| | | -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)**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Date 7/13/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 7
Station 524+38
Offset 43.00ft Rt.
Ground Surface Elev. 462.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 452.2 ft
Upon Completion ft
After 24 Hrs. 452.2 ft

| | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue-Gray Clay LOAM *(continued)* | | | | |
| | | 11 | 1.43 B | 29 |
| | | 10 | 1.24 B | 32 |
| | -45 | | | |
| | | 12 | 0.78 B | 30 |
| | | 9 | 0.44 B | 30 |
| | -50 | | | |
| | | 14 | 1.07 E | 27 |
| | | 9 | | 29 |
| | -55 | | | |
| | | 12 | | 28 |
| | | 10 | | 29 |
| | -60 | | | |

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)

**Illinois Department of Transportation**
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

**Date** 7/13/65

**ROUTE** FAU 8885 (FAS 770) **DESCRIPTION** SIUE North Access Road over Norfolk & Western Railroad **LOGGED BY** Kelly

**SECTION** 1VB **LOCATION** N 1/2, **SEC.** 4, **TWP.** 4N, **RNG.** 8W, 3 **PM**

**COUNTY** Madison **DRILLING METHOD** **HAMMER TYPE**

**STRUCT. NO.** 060-0142/0143
**Station**

**BORING NO.** 8
**Station** 524+83
**Offset** 23.00ft Rt.
**Ground Surface Elev.** 460.3 ft

**Surface Water Elev.** ft
**Stream Bed Elev.** ft

**Groundwater Elev.:**
**First Encounter** 452.3 ft
**Upon Completion** ft
**After** 24 **Hrs.** 450.3 ft

| Description | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Dark Brown Silty LOAM | | | | |
| | | 4 | 0.60 B | 31 |
| | -5 | | | |
| | | 3 | 0.51 B | 31 |
| | | 5 | 0.75 B | 32 |
| 450.8 | -10 | | | |
| Light Brown Silty Clay LOAM | | | | |
| | | 8 | 1.16 E | 40 |
| | | 9 | 1.41 E | 38 |
| 446.3 | | | | |
| Blue Clay LOAM | -15 | | | |
| | | 8 | 1.0 B | 35 |
| | | 8 | 1.02 B | 37 |
| | -20 | | | |
| Blue Clay LOAM *(continued)* | | | | |
| | | 7 | 0.97 B | 44 |
| | -25 | | | |
| | | 11 | 0.39 B | |
| | | 15 | 1.04 B | 43 |
| | | 24 | 1.38 S | 44 |
| | -30 | | | |
| | | 11 | | 37 |
| 427.3 | | | | |
| Gray Coarse SAND | | 10 | NP | 17 |
| 425.3 | -35 | | | |
| Blue Clay LOAM | | 11 | 0.97 S | 33 |
| | | 11 | 0.73 E | 55 |
| | -40 | | | |

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# SOIL BORING LOG

Date 7/13/65

ROUTE FAU 8885 (FAS 770) DESCRIPTION SIUE North Access Road over Norfolk & Western Railroad LOGGED BY Kelly

SECTION 1VB LOCATION N 1/2, SEC. 4, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0142/0143
Station

BORING NO. 8
Station 524+83
Offset 23.00ft Rt.
Ground Surface Elev. 460.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 452.3 ft
Upon Completion ft
After 24 Hrs. 450.3 ft

| | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|
| Blue Clay LOAM *(continued)* | | | | |
| | | 10 | 0.82 E | 61 |
| | | 8 | 0.85 B | 33 |
| | -45 | | | |
| | | 8 | 0.82 B | 33 |
| | | 10 | 1.04 B | 33 |
| | -50 | | | |
| | | 12 | 1.07 B | 34 |
| | | 17 | 1.23 S | 28 |
| | -55 | | | |
| | | 14 | NS | |
| 401.8 | | | | |
| END OF BORING | -60 | | | |

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)