| FAP ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO |
|---|---|---|---|---|
| 310 | 60-15VB-1 & 2 | MADISON | 149 | 112 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

SHEET NO. 45
45 SHEETS

Contract #76634

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 1 of 3

Date 14/02

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford

SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0311
Station

BORING NO. RR-SB 7
Station 39+186
Offset 15.00m LT CL
Ground Surface Elev. 185.23 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 178.8 m ▼
Upon Completion m
After Hrs. m

| DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|
| Gray SILTY CLAY LOAM | | | |
| | 2 | | |
| | 4 | 105 | |
| | 5 | S/15 | 24 |
| -1.5 | 3 | | |
| | 4 | 153 | |
| | 5 | B | 25 |
| | 3 | | |
| | 3 | 125 | |
| 182.5 | 4 | S/10 | 26 |
| Gray and Brown CLAY LOAM with Creek SAND and GRAVEL -3.0 | 3 | | |
| | 4 | 125 | |
| | 5 | S/10 | 23 |
| | 3 | | |
| | 5 | 192 | |
| | 6 | S/10 | 21 |
| -4.5 | 3 | | |
| | 4 | 163 | |
| | 6 | S/10 | 21 |
| | 2 | | |
| | 3 | 67 | |
| (Very Sandy) | 2 | S/10 | 22 |
| 179.5 | | | |
| -6.0 | | | |

| DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|
| Gray CLAY LOAM with Limestone GRAVEL (continued) | 4 | 172 | |
| | 6 | S/10 | 13 |
| ▼ | 9 | | |
| | 7 | | |
| | 9 | 297 | |
| | 10 | S/15 | 11 |
| -7.5 | 4 | | |
| | 5 | 125 | |
| | 8 | S/10 | 11 |
| | 3 | | |
| | 4 | 105 | |
| | 4 | S/15 | 12 |
| -9.0 | 3 | | |
| | 5 | 134 | |
| | 6 | S/10 | 19 |
| -10.5 | 3 | | |
| | 6 | 220 | |
| | 8 | S/15 | 10 |
| -12.0 | | | |

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 2 of 3

Date 14/02

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford

SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0311
Station

BORING NO. RR-SB 7
Station 39+186
Offset 15.00m LT CL
Ground Surface Elev. 185.23 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 178.8 m ▼
Upon Completion m
After Hrs. m

| DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|
| Gray CLAY LOAM with Limestone GRAVEL (continued) | 7 | 249 | |
| | 12 | S/15 | 11 |
| | 16 | | |
| -13.5 | 6 | | |
| | 10 | 527 | |
| | 17 | S/20 | 14 |
| -15.0 | 4 | | |
| | 5 | 278 | |
| | 9 | S/5 | 19 |
| -16.5 | 11 | | |
| | 14 | 364 | |
| | 18 | S/10 | 26 |
| -18.0 | | | |

| DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|
| Gray CLAY LOAM with Limestone GRAVEL (continued) | 5 | 220 | |
| | 14 | S/15 | 18 |
| | 19 | | |
| -19.5 | 4 | | |
| | 5 | 96 | |
| | 5 | S/15 | 22 |
| 165.1 | | | |
| Gray SILTY CLAY | | | |
| -21.0 | 7 | | |
| | 11 | 316 | |
| | 14 | B | 22 |
| -22.5 | 6 | | |
| | 11 | 345 | |
| | 13 | S/15 | 22 |
| -24.0 | | | |

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BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

# SOIL BORING LOG

Page 3 of 3

Date 14/02

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford

SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0311
Station

BORING NO. RR-SB 7
Station 39+186
Offset 15.00m LT CL
Ground Surface Elev. 185.23 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 178.8 m ▼
Upon Completion m
After Hrs. m

| DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|
| Gray SILTY CLAY (continued) | 6 | 460 | |
| | 17 | S/10 | 24 |
| | 18 | | |
| -25.5 | 10 | | |
| | 17 | 422 | |
| 159.4 | 21 | S/10 | 21 |
| End of Boring | | | |
| -27.0 | | | |
| -28.5 | | | |
| -30.0 | | | |

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)

| REVISIONS | |
|---|---|
| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAP ROUTE 310
SECTION 60-15VB-1 & 2
MADISON COUNTY

$$DATE$$
*DATE-TIME*
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