| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 399 | 36R-1,37R-2 | TAZEWELL | 449 | 212 |
| STA 7+663.000 | | TO STA 10+011.000 | | |
| FED. ROAD DIST. NO. 4 | | ILLINOIS | FED. AID PROJECT | |

*Contract No. 88859*
*SHT. S-15 of S-35*

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Illinois Department of Transportation
Division of Highways IDOT

## SOIL BORING LOG

Page 1 of 1

Date 4/1/03

ROUTE FA 399 (IL 8) DESCRIPTION IL Rte. 8 from E. Peoria to Sunnyland LOGGED BY DLR

SECTION 36, 37 R-1 LOCATION , SEC., TWP., RNG.

COUNTY Tazewell DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BACKSLOPE/RET.WALL
Station
BORING NO. 7733ST
Station 7+733
Offset 27.19m Lt. CL (Prop)
Ground Surface Elev. 182.79 m

Surface Water Elev. ______ m
Stream Bed Elev. ______ m
Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. none m

| Description | Elev. | DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|---|---|
| no sample taken 0-1.5' | 182.33 | | | | |
| Dark Brown Gravelly LOAM | 181.57 | | 3 / 3 / 3 | | 12.5 |
| Brown Gravelly CLAY LOAM | 180.81 | -1.5 | 1 / 2 / 3 | 96 P | 13.2 |
| Brown CLAY LOAM TILL | | | 2 / 3 / 4 | 125 S | 17.5 |
| | 179.62 | -3.0 | 2 / 5 / 8 | 292 S | 12.0 |
| Shelby Tube # 1 3.2m-3.96m | 178.80 | | | | |
| | 178.52 | | | | |
| Brown & Gray CLAY LOAM TILL | | -4.5 | 3 / 6 / 7 | 217 B | 11.8 |
| | | | 2 / 4 / 6 | 230 S | 12.8 |
| | | -6.0 | 2 | | |
| Brown & Gray CLAY LOAM TILL (continued) | 176.54 | | 4 / 5 | 277 S | 12.5 |
| Gray CLAY LOAM TILL | 176.49 | | | | |
| Shelby Tube # 2 6.2m-7.0m | 175.75 | | | | |
| | 175.02 | -7.5 | 3 / 4 / 5 | 197 B | 13.4 |
| End of Boring | | -9.0 | | | |
| | | -10.5 | | | |
| | | -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)

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Illinois Department of Transportation
Division of Highways IDOT

## SOIL BORING LOG

Page 1 of 1

Date 4/1/03

ROUTE FA 399 (IL 8) DESCRIPTION IL Rte. 8 from E. Peoria to Sunnyland LOGGED BY DLR

SECTION 36, 37 R-1 LOCATION , SEC., TWP., RNG.

COUNTY Tazewell DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BACKSLOPE/RET.WALL
Station
BORING NO. 7764ST
Station 7+764
Offset 31.79m Lt. CL (Prop)
Ground Surface Elev. 183.55 m

Surface Water Elev. ______ m
Stream Bed Elev. ______ m
Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. none m

| Description | Elev. | DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|---|---|
| no sample taken 0-.46m | 183.09 | | | | |
| Gray CLAY LOAM TILL | | | 4 / 4 / 6 | 166 B | 13.1 |
| | | -1.5 | 2 / 4 / 4 | 166 B | 13.8 |
| | | | 2 / 4 / 5 | 150 B | 13.6 |
| | 180.38 | -3.0 | 2 / 3 / 6 | 197 B | 13.5 |
| Shelby Tube #1 3.2m-3.96m | 179.56 | | | | |
| | | -4.5 | 2 / 3 / 6 | 197 B | 13.0 |
| | | | 2 / 3 / 5 | 197 B | 13.0 |
| | | -6.0 | 2 | | |
| Gray CLAY LOAM TILL (continued) | 177.30 | | 3 / 6 | 197 B | 13.1 |
| Shelby Tube #2 6.2m-6.7m, Refusal of Tube on Sandy Gravel | 176.84 | | | | |
| | | -7.5 | 5 / 4 / 8 | 217 B | 13.3 |
| | | | 2 / 3 / 5 | 197 B | 13.1 |
| | | -9.0 | 3 / 4 / 6 | 173 B | 14.2 |
| | | | 2 / 4 / 5 | 150 B | 13.1 |
| | 172.76 | -10.5 | 2 / 3 / 6 | 173 B | 13.8 |
| | 172.73 | | | | |
| Shelby Tube #3 10.8m-11.6m | 171.94 | | | | |
| End of Boring | | -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)

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Illinois Department of Transportation
Division of Highways IDOT

## SOIL BORING LOG

Page 1 of 1

Date 5/29/03

ROUTE FA 399 (IL 8) DESCRIPTION IL Rte. 8 from E. Peoria to Sunnyland LOGGED BY JES

SECTION 36, 37 R-1 LOCATION , SEC., TWP., RNG.

COUNTY Tazewell DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BACKSLOPE/RET.WALL
Station
BORING NO. 8025ST
Station 8+025
Offset 22.80m Lt. CL (Prop)
Ground Surface Elev. 195.38 m

Surface Water Elev. ______ m
Stream Bed Elev. ______ m
Groundwater Elev.:
First Encounter 187.8 m ▼
Upon Completion 7.25m, coll. @7.38m m
After 24 Hrs. not taken m

| Description | Elev. | DEPTH (m) | BLOWS (/150 mm) | UCS Qu (kPa) | MOIST (%) |
|---|---|---|---|---|---|
| no sample 0-2' | 194.77 | | | | |
| Brown SILTY CLAY | 194.01 | | 1 / 3 / 2 | 230 S | 24.9 |
| Lt. Brown SILTY LOAM | | -1.5 | 1 / 4 / 5 | 240 P | 12.4 |
| | 193.43 | | | | |
| | 193.40 | | | | |
| Shelby Tube #1 1.98m-2.7m | 192.60 | | | | |
| Lt. Brown Medium SAND | | -3.0 | 3 / 4 / 6 | | 4.3 |
| | 190.96 | | 8 / 15 / 17 | | 4.1 |
| Brown CLAY LOAM TILL | | -4.5 | 5 / 3 / 4 | 217 B | 17.3 |
| | | | 6 / 8 / 12 | 272 S | 13.5 |
| | | -6.0 | | | |
| Brown CLAY LOAM TILL (continued) | 188.67 | | 1 / 5 / 11 | 216 P | 13.3 |
| Gray Fine SAND | 187.91 | | 6 / 12 / 11 | | 12.1 |
| Gray CLAY LOAM TILL, Free H2O | 187.45 | -7.5 ▼ | 4 / 5 / 8 | 376 B | 13.0 |
| Shelby Tube #2 7.9m-8.7m | 186.72 | | | | |
| | 186.69 | | | | |
| End of Boring | | -9.0 | | | |
| | | -10.5 | | | |
| | | -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)

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STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1650
Chicago, IL. 60606-5015
312/553-0655, FAX 312/553-0661

| REVISIONS | |
|---|---|
| NAME | DATE |
| LCE | 2-26-10 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL
BORING LOG

DATE: 2-05 DESIGNED BY: J.NEU CHECKED BY: A.HALL DRAWN BY: K.MILLER CHECKED BY: J.NEU