STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.P. 315 | (18BRY-1)BR | FULTON | | 164 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT- | |

SHEET NO. 13
13 SHEETS

Contract #88753

## Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Four Materials

Page 1 of 2

Date 10/10/02

ROUTE FA 317 (US24) DESCRIPTION US 24/IL 100 over Spoon River overflow LOGGED BY DBR

SECTION (18BRY) BR LOCATION SW¼, NE¼, SEC. 8, TWP. 4N, RNG. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0003(exist) 029-0067(prop)
Station 64+94.63(prop)

BORING NO. 6456 (N. Abut.)
Station 64+56
Offset 4.00ft Rt
Ground Surface Elev. 453.9 ft

Surface Water Elev. DRY ft
Stream Bed Elev. 446.7 ft

Groundwater Elev.:
First Encounter 438.6 ft ▼
Upon Completion 1.0 ** ft
After 24 Hrs. 446.8 ft ▽

| Description | Elev. | DEPTH (ft) | BLOWS (6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| No Sample Taken 0-2' | 451.9 | | | | |
| Brown/Gray SILTY CLAY LOAM | | | 1 | | |
| | | | 3 | 2.3 | 18.2 |
| | | | 4 | P | |
| | | -5 | 1 | | |
| | | | 3 | 2.0 | 23.0 |
| | | | 3 | P | |
| | | ▽ | 2 | | |
| | | | 3 | 2.8 | 26.5 |
| | | | 3 | P | |
| Brown SILTY CLAY | 444.4 | -10 | 1 | | |
| | | | 2 | 1.4 | 25.6 |
| | | | 5 | B | |
| | | | 1 | | |
| | | | 1 | 1.9 | 24.6 |
| | | | 3 | B | |
| Brown CLAY LOAM | 439.4 | -15 | H | | |
| | | ▼ | 2 | 1.2 | 26.5 |
| | | | 2 | B | |
| Brown/Gray SILTY CLAY | 436.9 | | H | | |
| | | | 1 | 0.7 | 26.8 |
| | | | 2 | B | |
| | | -20 | 1 | | |
| Brown/Gray SILTY CLAY (continued) | | | 1 | 0.4 | 25.3 |
| | | | 1 | B | |
| | | | H | .41B | 33.9 |
| | 430.9 | | H | | |
| Gray & Brown Fine SAND | | | H | | 20.7 |
| | | -25 | 1 | | |
| | | | 1 | | 17.1 |
| | | | 2 | | |
| | 426.9 | | H | | |
| Brown/Gray CLAY | | | 1 | 0.4 | 44.6 |
| | | | 1 | B | |
| | 424.4 | | | | |
| Brown Fine SAND | | -30 | 1 | | |
| | | | 4 | | 15.9 |
| | | | 6 | | |
| | 421.9 | | 2 | | |
| Brown/Gray Gravelly LOAM | | | 4 | | 11.2 |
| | | | 4 | | |
| | 419.4 | | | | |
| Gray Silty SAND | | -35 | 7 | | |
| | | | 13 | 1.8 | 16.4 |
| | | | 20 | S | |
| | 416.9 | | | | |
| Brown Fine SAND | | | 3 | | |
| | | | 4 | | 16.3 |
| | | | 5 | | |
| | 414.4 | -40 | 5 | | |

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. 9-99)

## Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Four Materials

Page 2 of 2

Date 10/10/02

ROUTE FA 317 (US24) DESCRIPTION US 24/IL 100 over Spoon River overflow LOGGED BY DBR

SECTION (18BRY) BR LOCATION SW¼, NE¼, SEC. 8, TWP. 4N, RNG. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0003(exist) 029-0067(prop)
Station 64+94.63(prop)

BORING NO. 6456 (N. Abut.)
Station 64+56
Offset 4.00ft Rt
Ground Surface Elev. 453.9 ft

Surface Water Elev. DRY ft
Stream Bed Elev. 446.7 ft

Groundwater Elev.:
First Encounter 438.6 ft ▼
Upon Completion 1.0 ** ft
After 24 Hrs. 446.8 ft ▽

| Description | Elev. | DEPTH (ft) | BLOWS (6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Gray CLAY LOAM TILL (continued) | | | 12 | 8.8 | 26.2 |
| | | | 10 | S | |
| | 409.4 | | | | |
| Gray Fine SAND | | -45 | 2 | | |
| | | | 5 | | 19.2 |
| | 407.9 | | 8 | | |
| Gray CLAY LOAM TILL | | | | | |
| | 406.4 | | 14 | 5.6 | 22.1 |
| Gray Medium SAND | | | 12 | B | 17.9 |
| | | | 23 | | |
| | | -50 | 3 | | |
| | | | 3 | | 13.5 |
| | | | 5 | | |
| | 401.9 | | | | |
| Gray Sandy GRAVEL | | | 7 | | |
| | | | 9 | | 15.1 |
| | | | 6 | | |
| | 399.4 | | | | |
| Gray CLAY LOAM | | -55 | 3 | | |
| | | | 3 | 1.3 | 21.2 |
| | | | 8 | P | |
| | 396.9 | | | | |
| Gray Sandy GRAVEL | | | 10 | | |
| | | | 9 | | 12.3 |
| | | | 8 | | |
| | 394.4 | | | | |
| | | -60 | 43 | | |
| Light Gray SANDSTONE(poorly cemented) (continued) | 392.9 | | 65 | | |
| | | | 35 | | 13.3 |
| ** Water used to wash sand from augers | | | | | |
| 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)

## Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Four Materials

Page 1 of 2

Date 10/8/02

ROUTE FA 317 (US24) DESCRIPTION US 24/IL 100 over Spoon River overflow LOGGED BY DBR

SECTION (18BRY) BR LOCATION SW¼, NE¼, SEC. 8, TWP. 4N, RNG. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0003(exist) 029-0067(prop)
Station 64+94.63(prop)

BORING NO. 6527 (S. Abut)
Station 65+27
Offset 0.00ft on CL
Ground Surface Elev. 455.1 ft

Surface Water Elev. DRY ft
Stream Bed Elev. 446.7 ft

Groundwater Elev.:
First Encounter 437.9 ft ▼
Upon Completion 9.6** ft
After 24 Hrs. 442.9 ft ▽

| Description | Elev. | DEPTH (ft) | BLOWS (6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| No Sample Taken 0-1.5' | 453.6 | | | | |
| Gray/Dark Gray SILTY CLAY LOAM | | | 3 | | |
| | | | 3 | 3.3 | 19.9 |
| | | | 3 | P | |
| | | | 2 | | |
| | | -5 | 2 | 2.2 | 17.3 |
| | | | 5 | S | |
| | 448.6 | | | | |
| Dark Brown SILTY CLAY | | | 1 | | |
| | | | 1 | 0.6 | 31.6 |
| | | | 2 | B | |
| | | | 1 | | |
| | | -10 | 1 | 1.2 | 31.6 |
| | | | 1 | B | |
| | 443.6 | | | | |
| Dark Gray SILTY CLAY | | ▽ | H | | |
| | | | 1 | 1.0 | 37.8 |
| | | | 1 | B | |
| | 441.1 | | | | |
| Dark Brown/Dark Gray CLAY LOAM | | | 1 | | |
| | | -15 | 1 | 1.9 | 29.6 |
| | | | 2 | S | |
| | 438.6 | | | | |
| Gray & Brown SILTY CLAY | | | 1 | | |
| | | ▼ | H | 0.6 | 31.5 |
| | | | 1 | B | |
| | | | H | | |
| | | -20 | 1 | 0.4 | 27.9 |
| Gray & Brown SILTY CLAY (continued) | | | 1 | B | |
| | | | H | 0.8 | 27.5 |
| | | | H | B | |
| | 432.6 | | 4 | | 18.9 |
| Gray Fine SAND | | | | | |
| | | | 1 | | |
| | | -25 | 1 | | 20.2 |
| | | | 2 | | |
| | 428.6 | | | | |
| Gray CLAY LOAM | | | 1 | | |
| | | | 5 | 1.0 | 36.2 |
| | | | 1 | P | |
| | | | 1 | | |
| | | -30 | 4 | 1.0 | 44.7 |
| | | | 6 | B | |
| | 423.6 | | | | |
| Brown Fine SAND | | | 1 | | |
| | | | 6 | | 15.3 |
| | | | 7 | | |
| | 421.1 | | | | |
| Brown SANDY GRAVEL | | | 2 | | |
| | | -35 | 3 | | 10.3 |
| | | | 5 | | |
| | 418.6 | | | | |
| Dark Gray Medium SAND | | | 1 | | |
| | | | 5 | | 15.3 |
| | | | 5 | | |
| | | -40 | 3 | | |

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 — SOIL BORING LOG

Division of Highways
District Four Materials

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ROUTE FA 317 (US24) DESCRIPTION US 24/IL 100 over Spoon River overflow LOGGED BY DBR

SECTION (18BRY) BR LOCATION SW¼, NE¼, SEC. 8, TWP. 4N, RNG. 3E, 4th PM

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-0003(exist) 029-0067(prop)
Station 64+94.63(prop)

BORING NO. 6527 (S. Abut)
Station 65+27
Offset 0.00ft on CL
Ground Surface Elev. 455.1 ft

Surface Water Elev. DRY ft
Stream Bed Elev. 446.7 ft

Groundwater Elev.:
First Encounter 437.9 ft ▼
Upon Completion 9.6** ft
After 24 Hrs. 442.9 ft ▽

| Description | Elev. | DEPTH (ft) | BLOWS (6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Dark Gray Medium SAND (continued) | | | 5 | | |
| | 413.6 | | | | |
| Brown Fine SAND | | | 1 | | |
| | | | 3 | | 20.5 |
| | | | 5 | | |
| | 391.1 | | | | |
| Gray & Light Gray SANDSTONE | | | 100@6" | | 8.5 |
| | | -65 | | | |
| | 388.4 | | | | |
| Gray GRAVEL w/tr sand | | | 100@2" | | 19.0 |
| | | | 3 | | 8.9 |
| | | | 4 | | |
| | 406.1 | | | | |
| Gray Fine SAND | | | 11 | | |
| | | -60 | 8 | | 19.8 |
| | | | 7 | | |
| | 403.6 | | | | |
| Brown CLAY LOAM TILL | | | 6 | | |
| | | | 8 | 2.3 | 26.6 |
| | | | 14 | P | |
| | 401.1 | | | | |
| Dark Gray CLAY LOAM TILL | | | 5 | | |
| | | -55 | 9 | 5.4 | 22.5 |
| | | | 16 | B | |
| | 398.6 | | | | |
| Gray Fine SAND w/tr clay | | | 7 | | |
| | | | 14 | | 21.0 |
| | | | 10 | | |
| | 396.1 | | | | |
| Gray SANDY GRAVEL w/coal fragments | | | 60 | | |
| | | -60 | 51 | | 13.6 |
| Gray SANDY GRAVEL w/coal fragments (continued) | | | 29 | | |
| | 393.6 | | | | |
| Light Gray Fine SAND w/sandstone fragments | | | 26 | | |
| | | | 60 | | 19.2 |
| | | | 60@3" | | |
| | 391.1 | | | | |
| Gray & Light Gray SANDSTONE | | | 100@6" | | 8.5 |
| | | -65 | | | |
| | 388.4 | | | | |
| Gray GRAVEL w/tr sand | | | 100@2" | | 19.0 |
| | | | 3 | | 8.9 |
| | | | 4 | | |
| | 406.1 | | | | |
| Gray Fine SAND | | | 11 | | |
| | | -60 | 8 | | 19.8 |
| | | | 7 | | |
| | 403.6 | | | | |
| Brown CLAY LOAM TILL | | | 6 | | |
| | | | 8 | 2.3 | 26.6 |
| | | | 14 | P | |
| | 401.1 | | | | |
| Dark Gray CLAY LOAM TILL | | | 5 | | |
| | | -55 | 9 | 5.4 | 22.5 |
| | | | 16 | B | |
| | 398.6 | | | | |
| Gray Fine SAND w/tr clay | | | 7 | | |
| | | | 14 | | 21.0 |
| | | | 10 | | |
| | 396.1 | | | | |
| Gray SANDY GRAVEL w/coal fragments | | | 60 | | |
| | | -60 | 51 | | 13.6 |
| ** Water used to wash sand from augers | | | | | |
| 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)

SOIL BORING LOGS
F.A.P. ROUTE 315 - SECTION (18BRY-1)BR
FULTON COUNTY
STATION 64+99.00
STRUCTURE NO. 029-0067

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