| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.S. 2370 (IL. 26) | 1-BR | PUTNAM | 65 | 47 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 30

31 SHEETS

Contract # 68577



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

## SOIL BORING LOG

Date 10/1/03

ROUTE FAS 2370 (IL26) DESCRIPTION ILLINOIS 26 OVER COFFEE CREEK SOUTH OF HENNEPIN LOGGED BY M.(D3) JR.(D4)

SECTION 1 BR LOCATION SW 1/4, SEC. 15, TWP. 32N, RNG. 2W, 3rd PM

COUNTY PUTNAM DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 078-0016
Station 96+59

BORING NO. 03 (PIER 1)
Station 96+28
Offset 29.00ft LT
Ground Surface Elev. 461.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 445.5 ft ▼
Upon Completion WASHED ft
After Hrs. ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| AUGERED Brown Fine to Medium SAND | | | |
| 459.04 | | | |
| Very Loose Brown Fine to Medium SAND | 1 | | |
| | 1 | - | 8 |
| | 1 | - | |
| 455.54 | | | |
| Very Loose Brown Fine to Coarse SAND | 1 | | |
| | 1 | - | 26 |
| | 0 | - | |
| 454.54 | | | |
| Medium Brown Fine SAND/Coarse GRAVEL | 3 | | |
| | 7 | - | 7 |
| | 9 | - | |
| 451.54 | | | |
| Loose Fine to Coarse GRAVEL with Some Coarse SAND | 3 | | |
| | 3 | - | 17 |
| | 4 | - | |
| 449.04 | | | |
| Very Soft Brown SANDY LOAM | 1 | | |
| | 1 | - | 23 |
| | 0 | - | |
| -15 | 1 | | |
| 445.54 ▼ | 1 | | |
| Loose Brown Fine to Coarse SAND BEGIN WASH BORING AT 17' | 1 | - | 19 |
| | 1 | | |
| | 3 | - | 22 |
| | 4 | | |
| 442.04 | | | |
| Loose Brown Fine SAND to Coarse GRAVEL | 1 | | |
| -20 | | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Loose Brown Fine SAND to Coarse GRAVEL (continued) | 3 | - | 12 |
| | 4 | - | |
| | 7 | | |
| | 4 | - | - |
| | 2 | - | |
| | 3 | | |
| 436.04 | | | |
| Medium Brown Fine SAND to Coarse GRAVEL | 7 | - | - |
| | 5 | - | |
| | 10 | | |
| | 15 | - | 12 |
| | 10 | - | |
| | 6 | | |
| | 8 | - | 8 |
| | 12 | - | |
| -35 | 15 | | |
| | 25 | - | - |
| | 10 | - | |
| -40 | 19 | | |

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. 8-86)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

## SOIL BORING LOG

Date 10/1/03

ROUTE FAS 2370 (IL26) DESCRIPTION ILLINOIS 26 OVER COFFEE CREEK SOUTH OF HENNEPIN LOGGED BY M.(D3) JR.(D4)

SECTION 1 BR LOCATION SW 1/4, SEC. 15, TWP. 32N, RNG. 2W, 3rd PM

COUNTY PUTNAM DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 078-0016
Station 96+59

BORING NO. 03 (PIER 1)
Station 96+28
Offset 29.00ft LT
Ground Surface Elev. 461.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 445.5 ft ▼
Upon Completion WASHED ft
After Hrs. ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Medium Brown Fine SAND to Coarse GRAVEL (continued) | 30 | - | - |
| | 28 | - | |
| | | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| -45 | 10 | | |
| | 11 | - | 13 |
| | 15 | - | |
| 414.04 | | | |
| BLOW COUNTS ONLY -- NO SAMPLE RECOVERY FROM TUBE | | | |
| Assume Loose SAND and GRAVEL(DLR) | | | |
| -50 | 1 | | |
| | 1 | - | - |
| | 3 | - | |
| -55 | 2 | | |
| | 2 | - | - |
| | 4 | - | |
| -60 | 2 | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| 61.0' End drilling D3 10/01/03, Begin drilling D4 9/20/07 | | | |
| 460.04 | | | |
| Medium Brown Fine SAND to Coarse GRAVEL | 2 | | |
| | 5 | - | - |
| | 5 | | |
| | 10 | | 19 |
| | 15 | | |
| 392.04 | | | |
| Very Dense Brown Medium to Coarse SAND and GRAVEL | 6 | | |
| | 21 | | 12 |
| | 37 | | |
| | 19 | | |
| -75 | 100/4" | | 8 |
| 384.54 | | | |
| Gray GLAY SHALE | 384.12 | 100/3" | 11 |
| Clutch on rig having trouble turning augers. | | | |
| End of Boring | | | |
| -80 | | | |

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BBS, from 137 (Rev. 8-86)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

## SOIL BORING LOG

Date 10/2/03

ROUTE FAS 2370 (IL26) DESCRIPTION ILLINOIS 26 OVER COFFEE CREEK SOUTH OF HENNEPIN LOGGED BY LM(D3)

SECTION 1 BR LOCATION SW 1/4, SEC. 15, TWP. 32N, RNG. 2W, 3rd PM

COUNTY PUTNAM DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 078-0016
Station 96+59

BORING NO. 04 (NO ABUT)
Station 95+75
Offset 29.00ft LT
Ground Surface Elev. 459.54 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 451.0 ft ▼
Upon Completion WASHED ft
After Hrs. ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| AUGERED Brown Fine SAND & Coarse GRAVEL | | | |
| 457.54 | | | |
| Loose Brown Fine to Coarse SAND with Some Medium GRAVEL | 2 | | |
| | 2 | - | 12 |
| | 3 | - | |
| -5 | 2 | | |
| | 2 | - | 5 |
| | 3 | - | |
| | 2 | | |
| | 3 | - | 21 |
| | 5 | - | |
| -10 | 2 | | |
| | 2 | - | 18 |
| | 2 | - | |
| 449.04 | | | |
| Very Soft Brown SANDY LOAM | 1 | | |
| | 2 | - | - |
| | 2 | - | |
| -15 | 1 | | |
| | 0 | - | 18 |
| | 1 | - | |
| | WOH | | |
| | WOH | - | 21 |
| | WOH | - | |
| 443.54 | | | |
| -20 | 1 | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| BEGIN WASH BORING Loose Brown Fine to Coarse SAND with Layers of SANDY LOAM (continued) | 1 | - | 17 |
| 438.04 | | | |
| Medium Brown Fine SAND/Coarse GRAVEL | 3 | - | |
| | 8 | | |
| | 6 | - | 15 |
| | 5 | - | |
| | 12 | | |
| | 10 | - | 12 |
| | 6 | - | |
| 431.54 | | | |
| Dense Brown Fine SAND/Coarse GRAVEL | 9 | | |
| | 16 | - | 13 |
| | 14 | - | |
| -55 | 9 | | |
| | 20 | - | 12 |
| | 23 | - | |
| 421.54 | | | |
| Medium Brown Fine SAND/Coarse GRAVEL | 5 | | |
| -60 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-86)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

## SOIL BORING LOG

Date 10/2/03

ROUTE FAS 2370 (IL26) DESCRIPTION ILLINOIS 26 OVER COFFEE CREEK SOUTH OF HENNEPIN LOGGED BY LM(D3)

SECTION 1 BR LOCATION SW 1/4, SEC. 15, TWP. 32N, RNG. 2W, 3rd PM

COUNTY PUTNAM DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 078-0016
Station 96+59

BORING NO. 04 (NO ABUT)
Station 95+75
Offset 29.00ft LT
Ground Surface Elev. 459.54 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 451.0 ft ▼
Upon Completion WASHED ft
After Hrs. ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| Medium Brown Fine SAND/Coarse GRAVEL (continued) | 9 | - | 16 |
| | 12 | - | |
| 398.54 | | | |
| Medium Brown Medium to Coarse SAND with Some Fine GRAVEL (continued) | | | |
| 61.0' End drilling by D3 See Boring #4A by D4 9/20/07 | | | |
| End of Boring | | | |
| | 7 | | |
| | 4 | - | 16 |
| | 6 | - | |
| -65 | | | |
| -70 | | | |
| -75 | | | |
| -80 | | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|
| | 11 | - | 15 |
| | 16 | - | |
| 400.54 | | | |
| Medium Brown Medium to Coarse SAND with Some Fine GRAVEL | | | |
| -50 | 8 | | |
| | 9 | - | 17 |
| | 12 | - | |
| -55 | 8 | | |
| | 7 | - | 17 |
| | 11 | - | |
| -60 | 8 | | |

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. 8-86)

BORINGS
ILLINOIS ROUTE 26 OVER
COFFEE CREEK
F.A.S. ROUTE 2370
SECTION 1-BR
PUTNAM COUNTY
STA. 96+59.00
STRUCTURE NO. 078-0046