# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

| F.A.P. ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| FAP 805 | 147BR | ST. CLAIR | 52 | 42 |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT- | |

SHEET NO. 22
24 SHEETS

Contract No. 76393

Illinois Department of Transportation — SOIL BORING LOG

Page 1 of 3
Date 9/15/98

ROUTE FAP 805 DESCRIPTION IL 161 over Negro Hollow Creek LOGGED BY Larry Ford
SECTION 147BR LOCATION NE 1/4, NE 1/4, SEC. 36, TWP. 2N, RNG. 9W, 3 PM
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0102 / 082-0103
Station 101+03.82
BORING NO. S NW CR
Station 100+16
Offset 39.50ft RT CL
Ground Surface Elev. 461.6 ft

Surface Water Elev. ft / Stream Bed Elev. ft
Groundwater Elev.: First Encounter 446.1 ft; Upon Completion ft; After 24 Hrs. 456.6 ft

| DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) |
|---|---|---|---|---|---|---|---|
| Gray Silty Clay LOAM (Fill) | | | | Brown and Gray Silty CLAY | | | |
| 454.1 | | | | 446.1 | | | |
| Topsoil Pavement 453.6 | | | | Gray Silt LOAM | | | |
| Gray Silty Clay LOAM | | | | 435.1 | | | |
| 439.1 | | | | Gray Sandy LOAM | | | |
| Brown and Gray SILT | | | | 427.6 | | | |
| 446.1 | | | | Gray Silty Clay LOAM | | | |
| Brown and Gray Silty LOAM | | | | 443.6 | | | |
| Brown and Gray Silty Clay LOAM | | | | | | | |

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)

BSS, from 137 (Rev. 8-99)

Illinois Department of Transportation — SOIL BORING LOG

Page 2 of 3
Date 9/16/98

ROUTE FAP 805 DESCRIPTION IL 161 over Negro Hollow Creek LOGGED BY Larry Ford
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|---|---|---|---|---|---|---|---|
| Gray Silty Clay LOAM (continued) | | | | Grayish Red Silty CLAY (continued) | | | |
| 429.1 | | | | 367.6 | | | |
| Gray Silty CLAY | | | | Gray LOAM | | | |
| 415.1 | | | | 365.6 | | | |
| Gray CLAY | | | | Grayish Red Silty CLAY | | | |
| 412.6 | | | | 363.6 | | | |
| Reddish Gray Silty CLAY | | | | Gray Silty Clay LOAM | | | |
| 410.1 | | | | 360.6 | | | |
| Gray Silty CLAY | | | | Gap between drilling on 9/16/1998 and drilling on 11/12/2002 | | | |
| 403.6 | | | | 392.1 | | | |
| Grayish Red Silty CLAY | | | | | | | |

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Date 9/16/98

ROUTE FAP 805 DESCRIPTION IL 161 over Negro Hollow Creek LOGGED BY Larry Ford
SECTION 147BR LOCATION NE 1/4, NE 1/4, SEC. 36, TWP. 2N, RNG. 9W, 3 PM
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Station 101+03.82
BORING NO. S NW CR
Station 100+16
Offset 39.50ft RT CL
Ground Surface Elev. 461.6 ft

Surface Water Elev. ft / Stream Bed Elev. ft
Groundwater Elev.: First Encounter 446.1 ft; Upon Completion ft; After 24 Hrs. 456.6 ft

| DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) |
|---|---|---|---|---|---|---|---|
| Gray Silty CLAY w/ Limestone Gravel | | | | First of Rock | | | |
| 375.6 | | | | | | | |
| Medium to Coarse SAND | | | | | | | |
| 374.6 | | | | | | | |
| Limestone GRAVEL in Clay Matrix | | | | | | | |
| 371.1 | | | | | | | |
| Greenish Gray Shale (very weathered) | | | | | | | |
| 369.6 | | | | | | | |
| Grey SHALE | | | | | | | |
| 364.6 | | | | | | | |

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Illinois Department of Transportation — SOIL BORING LOG

Page 1 of 3
Date 9/21/98

ROUTE FAP 805 DESCRIPTION IL 161 over Negro Hollow Creek LOGGED BY Larry Ford
SECTION 147BR LOCATION NE 1/4, NE 1/4, SEC. 36, TWP. 2N, RNG. 9W, 3 PM
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0102
Station 101+03.82
BORING NO. 6 SW CR
Station 101+47
Offset 42.30ft RT CL
Ground Surface Elev. 464.6 ft

Surface Water Elev. ft / Stream Bed Elev. ft
Groundwater Elev.: First Encounter 433.1 ft; Upon Completion ft; After 24 Hrs. 455.6 ft

| DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) |
|---|---|---|---|---|---|---|---|
| Asphalt Shoulder's | | | | Gray LOAM (continued) | | | |
| 463.9 | | | | 440.1 | | | |
| SAND and LIMESTONE Rock FILL | | | | Gray and Brown Loamy SAND | | | |
| 456.6 | | | | 435.1 | | | |
| Brown Silty Clay LOAM | | | | Gray Silty Clay LOAM | | | |
| 452.6 | | | | 426.6 | | | |
| Gray Silt LOAM | | | | Gray LOAM | | | |
| 448.1 | | | | 423.1 | | | |
| Gray LOAM with some Wood | | | | Gray SAND See Gradation @ 30 feet | | | |
| 446.6 | | | | 421.6 | | | |
| Gray CLAY | | | | Gray Silty Clay LOAM | | | |
| 441.6 | | | | 416.6 | | | |
| | | | | Gray SAND with Gravel See Gradation @ 26 feet | | | |
| | | | | 413.1 | | | |
| | | | | Gray Silty CLAY | | | |
| | | | | 408.1 | | | |

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COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

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Station 101+03.82
BORING NO. 6 SW CR
Station 101+47
Offset 42.30ft RT CL
Ground Surface Elev. 464.6 ft

Surface Water Elev. ft / Stream Bed Elev. ft
Groundwater Elev.: First Encounter 433.1 ft; Upon Completion ft; After hrs. ft

| DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOWS (6") | UCS (tsf) | MOIST (%) |
|---|---|---|---|---|---|---|---|
| Gray Silty CLAY (continued) | | | | Reddish Gray Silty CLAY | | | |
| 423.1 | | | | 400.6 | | | |
| Gray Silt LOAM | | | | Gray Silty CLAY | | | |
| 419.1 | | | | With Some SAND | | | |
| Gray Silty Clay LOAM | | | | 397.1 | | | |
| 416.6 | | | | Grayish Red Silty CLAY | | | |
| Gray Silty CLAY | | | | 393.1 | | | |
| 413.1 | | | | Gray Silty CLAY | | | |
| Gray Silty Clay LOAM | | | | 388.6 | | | |
| 410.6 | | | | Gap between drilling on 9/21/1998 and drilling on 11/12/2002 | | | |
| Gray Silt LOAM | | | | 385.1 | | | |
| 409.1 | | | | Gray and Dark Red Silty CLAY | | | |
| Gray Silty CLAY | | | | | | | |
| 403.6 | | | | | | | |

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|---|---|---|---|---|---|---|---|
| Gray and Dark Red Silty CLAY (continued) | | | | End of Boring | | | |
| 393.6 | | | | | | | |
| Broken Weathered Limestone GRAVEL in Clay Matrix | | | | | | | |
| 392.1 | | | | | | | |
| Gray Slightly Weathered SHALE | | | | | | | |
| 384.6 | | | | | | | |

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BMS, from 137 (Rev. 8-99)

| | |
|---|---|
| DESIGNED | ALN |
| CHECKED | BWP |
| DRAWN | DEH |
| CHECKED | ALN |

FILE LOCATION: $FILE$ PLOTTED BY: $USER$ TIME: $TIME$ DATE: $DATE$

ILLINOIS ROUTE 161 OVER
TRIBUTARY TO SCHOENBERGER CREEK
F.A.P. ROUTE 805 - SECTION 147BR
ST. CLAIR COUNTY
STATION 101+03.82
STRUCTURE NO. 082-0102 (N.B.)
STRUCTURE NO. 082-0103 (S.B.)

BORING LOGS