

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|-----------|------------------|-----------|
| F.A.P. 714 | 134B | CHRISTIAN | 23 | 23 |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

SHEET NO. 10
OF 10 SHEETS



SOIL BORING LOG

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ROUTE FAP 714 (IL 48) DESCRIPTION IL 48 over Buckhart Creek LOGGED BY M. Tappan
SECTION 134B LOCATION SW 1/4, SEC. 22, TWP. 14 N, RNG. 1 W, 3 PM
COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140 # Auto

| STRUCT. NO. 011-2000 Ex 011-2505 Pr Station 432+30 | BORING NO. 2 NW W W W Station 432+65 Offset 39.00 ft Lt Ground Surface Elev. 608.8 ft | D E P T H ft | B L O W S | U C S Qu # | M O I S T % | Surface Water Elev. 605.7 ft Stream Bed Elev. 605.7 ft | Groundwater Elev.: First Encounter 597.3 ft Upon Completion Washed After 24 Hrs. 602.8 ft | D E P T H ft | B L O W S | U C S Qu # | M O I S T % |
|---|---|-----------------------------|-----------------------|------------------------|----------------------------|---|--|-----------------------------|-----------------------|------------------------|----------------------------|
| | | | | | | | | | | | |
| Brown and Dark Grey Moist SILTY CLAY | | | | | | Grey Moist CLAY LOAM (Till) (continued) | | | | | |
| Disturbed Sample | | | | | | 4 | | | | | |
| Dark Grey V. Moist | | | | | | 10 8.1 12 | | | | | |
| Grey V. Moist Dirty Medium Grained SAND | | | | | | 16 S-10 | | | | | |
| Clean Fine to Medium Grained SAND Free Water | | | | | | 9 | | | | | |
| Washed | | | | | | 40 +10.0 8 | | | | | |
| Washed | | | | | | 60 S-10 | | | | | |
| Washed | | | | | | 15 | | | | | |
| Washed | | | | | | 23 9.2 9 | | | | | |
| Washed | | | | | | 36 S-11 | | | | | |
| Grey Moist CLAY LOAM (Till) Washed | | | | | | 7 | | | | | |
| Washed | | | | | | 17 6.2 10 | | | | | |
| Washed | | | | | | 22 S-12 | | | | | |

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 LOG

Page 2 of 2

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|---|---|-----------------------------|-----------------------|------------------------|----------------------------|---|--|-----------------------------|-----------------------|------------------------|----------------------------|
| | | | | | | | | | | | |
| Grey Moist CLAY LOAM (Till) (continued) | | | | | | CLAY LOAM (Till) (continued) | | | | | |
| Tannish Grey Fine Grained SAND | | | | | | 545.80 | | | | | |
| Washed | | | | | | 11 | | | | | |
| Washed | | | | | | 65 | | | | | |
| Washed | | | | | | 35 | | | | | |
| Washed | | | | | | 12" | | | | | |
| Washed | | | | | | 543.80 | | | | | |
| Washed | | | | | | 11 | | | | | |
| Washed | | | | | | 26 8.7 10 | | | | | |
| Washed | | | | | | 32 S-13 | | | | | |
| Washed | | | | | | 9 | | | | | |
| Washed | | | | | | 15 7.5 10 | | | | | |
| Washed | | | | | | 24 B | | | | | |

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BBS, from 137 (Rev. 8-99)

BORINGS
IL. ROUTE 48 OVER BUCKHART CREEK
F.A.P. ROUTE 714 - SECTION 134B
CHRISTIAN COUNTY
STA. 432+32
S.N. 011-2505