STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.P. 717 | 101B-1 | LOGAN | 49 | 35 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 19
23 SHEETS

Contract #72A04

Illinois Department of Transportation
Division of Highways
IDOT District 6

# SOIL BORING LOG

Page 3 of 3

Date 8/15/06

ROUTE FA 717 DESCRIPTION IL 10 over Prairie Creek LOGGED BY M. Tappan

SECTION 101 BR LOCATION NW 1/4, SEC. 18, TWP. 20 N, RNG. 4 W, 3 PM

COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 054-0070 Ex 054-0507 Pr
Station 254+72

BORING NO. 1 W. Abut
Station 253+47
Offset 12.0ft Lt
Ground Surface Elev. 529.5 ft

Surface Water Elev. 507 ft
Stream Bed Elev. 506 ft

Groundwater Elev.:
First Encounter 505.5 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

| Description | Elev. | DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| SAND (continued) | | | | | |
| | | -85 | | | |
| | | | 11 | | |
| Grey Coarse Grained SAND w/ 1/4" Gravel Washed | 439.50 | -90 | 15 21 | | |
| Boring Completed | | | | | |
| | | -95 | | | |
| | | -100 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\SOILS\CONT FILES\LOGAN\054-0070 IL 10 OVER PRAIRIE CREEK.GPJ Data Template DOTBORPLT.GDT Date Printed 8/23/06
Latitude 40 Deg 11.55 M Longitude 89 Deg 18.55 W Datum NAD83 Job Number

Illinois Department of Transportation
Division of Highways
IDOT District 6

# SOIL BORING LOG

Page 1 of 3

Date 6/20/06

ROUTE FA 717 DESCRIPTION IL 10 over Prairie Creek LOGGED BY M. Tappan

SECTION 101 BR LOCATION NW 1/4, SEC. 18, TWP. 20 N, RNG. 4 W, 3 PM

COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 054-0070 Ex 054-0507 Pr
Station 254+72

BORING NO. 2 Pier 1
Station 254+23
Offset 26.0ft Rt
Ground Surface Elev. 517.6 ft

Surface Water Elev. 507 ft
Stream Bed Elev. 506 ft

Groundwater Elev.:
First Encounter 501.1 ft
Upon Completion Washed ft
After 24 Hrs. 513.6 ft

| Description | Elev. | DEPTH (ft) | BLOWS /6" | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Greyish Brown Moist SILTY CLAY LOAM (Fill) w/Broken Concrete | | | | | |
| | | | 5 | | |
| | | -5 | 8 4 | | 11 |
| | 512.10 | | | | |
| Grey Moist Fine Grained SAND | | | | | |
| | | | 1 | | |
| | | | 4 4 | | |
| | 509.60 | | | | |
| Grey V. Moist SILT w/Very Fine Grained Sand Seams | | | | | |
| | | | 1 | | |
| | | -10 | 2 1 | 0.1 B | 24 |
| | 507.10 | | | | |
| SAND | | | | | |
| | | | 0 | | |
| Grey Wet V. Fine Grained SAND w/Silt Seams | | | | | |
| | | | 0 0 | | |
| | | | 0 | | |
| | | | 0 | | |
| | | -15 | 0 | | |
| | | | 0 | | |
| Grey Fine Grained SAND Free Water | | | 1 2 | | |
| | | | 1 | | |
| Washed | | -20 | 3 4 | | |
| SAND (continued) | | | | | |
| | | | 2 | | |
| Grey Fine Grained SAND w/3" Silt Loam Seam Washed | | | 2 3 | | |
| | | | 1 | | |
| w/Woody Organic Material, Mollusk Shells | | | 4 5 | | |
| | | -25 | | | |
| | | | 3 | | |
| Washed | | | 3 2 | | |
| | 487.60 | -30 | | | |
| Grey V. Moist SILT w/Some Woody Organic Material Washed | | | | | |
| | | | 2 | | |
| | | | 2 2 | 0.4 B | 22 |
| | | -35 | | | |
| | 480.60 | | | | |
| Grey Fine Grained SAND Interbedded with Thin Silt Seams Washed | | | | | |
| | | | 0 | | |
| | | | 2 1 | | |
| | | -40 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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Latitude 40 Deg 11.55 M Longitude 89 Deg 18.55 W Datum NAD83 Job Number

| | |
|---|---|
| DESIGNED | D.J.T. & S.D.S. |
| CHECKED | J.J.P. & S.D.S. |
| DRAWN | L.M.G. & D.L.H. |
| CHECKED | D.J.T. & S.D.S. |

WHKS & CO.
ENGINEERS PLANNERS LAND SURVEYORS
MASON CITY, IOWA DUBUQUE, IOWA AMES, IOWA
E. DUBUQUE, ILLINOIS SPRINGFIELD, ILLINOIS ROCHESTER, MINNESOTA

BORING LOGS
IL ROUTE 10 OVER PRAIRIE CREEK
F.A.P. ROUTE 717 - SECTION 101B-1
LOGAN COUNTY
STATION 254+75.91
STRUCTURE NO. 054-0507