Boring Information taken from Design Drawings:
Elevation 645.20 feet, Station 633+02.28, Offset 10.1 LT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

# SOIL BORING LOG



Date 1/4/07

ROUTE FAP 646 DESCRIPTION P92-045-06 Bridge over I & M Feeder Canal, IL 40 LOGGED BY Wally Garza

SECTION 101 BR-3 LOCATION Coloma Twp. - 33 SE, SEC. , TWP. 21N, RNG. 7E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 098-0015
Station

BORING NO. B-1
Station 78+02
Offset 10.00ft Lt Med. CL
Ground Surface Elev. 99.20 ft

Surface Water Elev. ft
Stream Bed Elev. 82.00 ft

Groundwater Elev.:
First Encounter 81.7 ft ▼
Upon Completion Wash ft
After ___ Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| MEDIUM dark gray LOAM | | | | 0.5 | 15.0 |
| | 96.70 | | | | |
| MEDIUM/STIFF black LOAM | | | 6 | | |
| | | | 6 | 1.0 | 11.0 |
| | 95.20 | | 8 | S | |
| | | -5 | | | |
| STIFF dark brown SANDY LOAM | | | 8 | | |
| | | | 8 | 1.1 | 11.0 |
| | 92.70 | | 9 | S | |
| STIFF dark brown SANDY LOAM | | | 3 | | |
| | | | 4 | 1.5 | 15.0 |
| | 90.20 | | 6 | S | |
| | | -10 | | | |
| STIFF dark gray LOAM | | | 3 | | |
| | | | 7 | 1.9 | 15.0 |
| | 87.70 | | 9 | P | |
| STIFF dark gray SANDY LOAM | | | 2 | | |
| | | | 5 | 1.2 | 18.0 |
| | 85.20 | | 7 | S | |
| | | -15 | | | |
| MEDIUM gray SILTY LOAM with 12% ORGANICS | | | 1 | | |
| | | | 2 | 0.9 | 53.0 |
| | | | 3 | B | |
| | 82.20 | | | | |
| MEDIUM gray fine SAND | ▼ | | 3 | | |
| | | | 8 | | |
| | 80.20 | | 6 | | |
| | | -20 | | | |

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| LOOSE gray fine SAND | | | 0 | | |
| | | | 2 | | |
| | 77.70 | | 4 | | |
| LOOSE gray fine SAND | | | 0 | | |
| | | | 2 | | |
| | 75.20 | | 3 | | |
| | | -25 | | | |
| LOOSE gray dirty SAND & GRAVEL | | | 2 | | |
| | | | 2 | | |
| | 72.70 | | 4 | | |
| MEDIUM gray SAND & GRAVEL | | | 13 | | |
| | | | 11 | | |
| | 70.20 | | 7 | | |
| | | -30 | | | |
| Wash | | | 5 | | |
| MEDIUM gray SAND & GRAVEL | | | 7 | | |
| | 67.70 | | 8 | | |
| Wash | | | 3 | | |
| MEDIUM gray clean medium coarse SAND | | | 6 | | |
| | 65.20 | | 7 | | |
| | | -35 | | | |
| MEDIUM gray clean medium coarse SAND with medium GRAVEL | | | 3 | | |
| | | | 5 | | |
| | 62.70 | | 6 | | |
| LOOSE/MEDIUM gray clean medium coarse SAND with medium GRAVEL | | | 3 | | |
| | | | 4 | | |
| | 60.20 | | 6 | | |
| | | -40 | | | |

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
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Station 78+02
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Ground Surface Elev. 99.20 ft

Surface Water Elev. ft
Stream Bed Elev. 82.00 ft

Groundwater Elev.:
First Encounter 81.7 ft ▼
Upon Completion Wash ft
After ___ Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| MEDIUM gray clean medium coarse SAND | | | 3 | | |
| | | | 6 | | |
| | 57.70 | | 10 | | |
| Wash | | | 5 | | |
| MEDIUM gray clean medium coarse SAND | | | 8 | | |
| | 55.20 | | 14 | | |
| | | -45 | | | |
| Wash | | | 5 | | |
| MEDIUM gray fine SAND | | | 12 | | |
| | 52.70 | | 14 | | |
| Wash | | | 1 | | |
| MEDIUM gray fine SAND | | | 5 | | |
| | 50.20 | | 8 | | |
| | | -50 | | | |
| Wash | | | 4 | | |
| MEDIUM gray medium clean SAND | | | 9 | | |
| | 47.70 | | 14 | | |
| Wash | | | 3 | | |
| MEDIUM gray medium clean SAND | | | 4 | | |
| | 45.20 | | 7 | | |
| | | -55 | | | |
| Wash | | | 2 | | |
| MEDIUM gray medium clean SAND | | | 3 | | |
| | 42.70 | | 7 | | |
| Wash | | | 7 | | |
| DENSE gray fine SAND | | | 12 | | |
| | 40.20 | | 32 | | |
| | | -60 | | | |

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Wash | | | 16 | | |
| MEDIUM gray fine SAND | | | 10 | | |
| | 37.70 | | 10 | | |
| Wash | | | 3 | | |
| MEDIUM gray SAND & GRAVEL | | | 7 | | |
| | 35.20 | | 7 | | |
| | | -65 | | | |
| MEDIUM tan fine SAND | | | 7 | | |
| | | | 6 | | |
| | 32.70 | | 12 | | |
| MEDIUM tan fine SAND | | | 11 | | |
| | | | 12 | | |
| | 30.20 | | 16 | | |
| | | -70 | | | |
| VERY DENSE tan fine SAND with LIMESTONE fragments | | | 40 | | |
| | | | 35 | | |
| | | | 35 | | |
| | 27.20 | | | | |
| DENSE tan weathered LIMESTONE | | | 20 | | |
| | | | 17 | | |
| | 25.20 | | 21 | | |
| | | -75 | | | |
| VERY DENSE tan weathered LIMESTONE | | | 18 | | |
| | | | 100/9" | | |
| | 22.70 | | | | |
| 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)

FILE NAME = s:\pol\6300-6399\6346\025\micros\Sht\Structural Plans\0980015-64C17-031-SBL.dgn

| | | | |
|---|---|---|---|
| STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273 | USER NAME = brianf | DESIGNED - RRD | REVISED |
| | | CHECKED - AJS | REVISED |
| | PLOT SCALE = | DRAWN - BJF | REVISED |
| | PLOT DATE = 8/14/2014 | CHECKED - RRD | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (1 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 33 OF 35 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 646 | 101 BR-3 | WHITESIDE | 130 | 93 |
| | | CONTRACT NO. 64C17 | | |
| | | ILLINOIS FED. AID PROJECT | | |