HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax



## Bridge Foundation Boring Log

Project: H-06069 Bridge Over Otter Pond Ditch Date: 04/10/06
Section: 05-00102-00-BR Station 5+09 Bored by: J. Carter
Route: Checked By: T. Holcomb
County: Lawrence

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 409.1
Upon Completion plugged

| Description | Elevation | N | Qu tsf | w % |
|---|---|---|---|---|
| Ground Surface 420.1 | 0 | | | |
| 6" Oil and Chip 419.6 | | | | |
| Gray Mottled Brown Sandy CLAY (A-6) | | 4 | 0.4B | 12 |
| | -5 | 4 | 0.6B | 22 |
| | | 3 | 0.8B | 28 |
| 411.6 | | | | |
| Gray Mottled Brown CLAY (A-7-6) | -10 | 5 | 0.8B | 23 |
| 408.6 | | | | |
| Gray Fine SAND (A-2-4) | | 11 | -- | 10 |
| | -15 | 15 | -- | 13 |
| | | 14 | -- | 9 |
| | -20 | 11 | -- | 12 |
| | | 17 | -- | 12 |
| SAND (continued) | -25 | 18 | -- | 14 |
| | | 32 | -- | 13 |
| | -30 | 22 | -- | 13 |
| 386.1 | | | | |
| Gray CLAY (A-6) with fine sand | -35 | 10 | 1.4B | 25 |
| | -40 | 9 | 2.1B | 28 |
| | | 30 | 1.4B | 17 |

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

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Upon Completion plugged

| Description | Elevation | N | Qu tsf | w % |
|---|---|---|---|---|
| CLAY (continued) | -45 | | | |
| | -70 | | | |
| 371.6 | | | | |
| Gray SHALE | -50 | 100/6" | 2.0S | 16 |
| | | 100/6" | -- | 13 |
| | -75 | | | |
| 366.1 | | 100/4" | -- | 12 |
| End of Boring @ -54.0' | -55 | | | |
| | -80 | | | |
| | -60 | | | |
| | -85 | | | |
| | -65 | | | |

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BORING 2

| | |
|---|---|
| DESIGNED - | S.M.S. |
| CHECKED - | S.W.M. |
| DRAWN - | D.T.M. |
| CHECKED - | D.A.B. |

BORINGS
STRUCTURE NO. 051-3283

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 08.0148.130 DATE: 01/15/09

SHEET NO. 9
9 SHEETS

| C.H. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 17 | 05-00102-00-BR | LAWRENCE | 12 | 12 |

CONTRACT NO. 95581

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT