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

Page 1 of 2

# Bridge Foundation Boring Log

Project: H-11183
Section: 11-00096-00-BR
Route: FAS 698 (CH3)
County: Crawford

Bridge Structure No. 017-3010
Station 298+60

Date: 10/4/2011
Bored by: J. Carter
Checked By: T. Holcomb

Boring No: 2
Station: 299+02
Offset: 5' RT

Surface Water Elev. ____
Ground Water Elev. During Drilling Dry
Upon Completion Dry

| Elevation | N | Qu tsf | w % |
|---|---|---|---|
| Ground Surface 474.3 / 0 | | | |
| 2.5" A-3 Surface/ 10" C. Stone 473.3 | | | |
| Brown Mottled Gray Silty CLAY (A-6) | 6 | --- | 17 |
| -5 | 5 | 1.1B | 18 |
| | 6 | 1.0B | 15 |
| -10 | 7 | 1.7B | 16 |
| 463.3 | | | |
| Gray Silty CLAY (A-6) with sand | 3 | 0.8B | 19 |
| -15 | 3 | 0.4S | 17 |
| 458.3 | | | |
| Brown Silty CLAY (A-6) with sand and gravel | 9 | 2.6B | 13 |
| 455.8 | | | |
| Gray Silty CLAY (A-6) with sand | | | |
| -20 | 35 | 5.2B | 8 |
| | 39 | 4.3B | 8 |

| Elevation | N | Qu tsf | w % |
|---|---|---|---|
| Silty CLAY with sand (continued) | | | |
| -25 | 22 | 5.6B | 12 |
| | 49 | 5.0S | 9 |
| -30 | 53 | 3.7S | 10 |
| -35 | 127 | -- | 16 |
| -40 | 76 | 2.0S | 11 |
| | 26 | 3.9B | 13 |

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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Surface Water Elev. ____
Ground Water Elev. During Drilling Dry
Upon Completion Dry

| Elevation | N | Qu tsf | w % |
|---|---|---|---|
| Silty CLAY with sand (continued) | | | |
| -50 | 19 | 2.6B | 18 |
| -55 | 18 | 3.7B | 17 |
| 414.3 -60 | 22 | 4.3B | 14 |
| End of Boring @ -60.0' | | | |
| -65 | | | |

| Elevation | N | Qu tsf | w % |
|---|---|---|---|
| -70 | | | |
| -75 | | | |
| -80 | | | |
| -85 | | | |
| | 31 | -- | 10 |

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-%

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*BORING 2*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FILE NAME = 110368-sht-bridge.dgn | USER NAME = | DESIGNED - D.W.T. | REVISED - | STATE OF ILLINOIS CRAWFORD COUNTY HIGHWAY DEPARTMENT | BORINGS STRUCTURE NO. 017-3061 | C.H. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| HAMPTON, LENZINI AND RENWICK, INC. 3055 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959 | | CHECKED - S.M.S. | REVISED - | | | 3 | 11-00096-00-BR | CRAWFORD | 16 | 16 |
| | PLOT SCALE = | DRAWN - D.A.B. | REVISED - | | | | | | CONTRACT NO. 95682 | |
| | PLOT DATE = 3/29/2012 | CHECKED - S.W.M. | REVISED - | | SHEET NO. 12 OF 12 SHEETS | | | ILLINOIS | FED. AID PROJECT | |