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

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# Bridge Foundation Boring Log

Project: H-08101 Bridge over CN/IC RR Date: 5/29/08
Section: 07-06121-00-BR Station
Structure:
County: Jefferson Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:
Assumed 100.0 = (509.2)

Surface Water Elev.
Ground Water Elev. During Drilling 73.5
Upon Completion 75.5

| Elevation | N | Qu tsf | w % |
|---|---|---|---|
| Ground Surface 98.5 | 0 | | |
| Gray Mottled Silty CLAY (507.7) (A-6) with sand | | | |
| | 5 | 2.0S | 22 |
| | 3 | 0.9B | 26 |
| (501.2) 92.0 | | | |
| Brown Mottled Gray Sandy CLAY (A-6) | 13 | 1.3S | 21 |
| | 3 | 2.1S | 20 |
| | 10 | 2.6B | 20 |
| | 9 | 1.9B | 20 |
| | 8 | 1.6S | 26 |
| | 5 | 1.5S | 28 |
| | 30 | 7.4S | 11 |
| sandy clay (continued) | | | |
| | 33 | 5.2S | 14 |
| (480.7) 71.5 | | | |
| Brown Mottled Gray SHALE | 100/5" | --- | 10 |
| | 100/5" | --- | 12 |
| (475.7) 66.5 | 100/5" | --- | 9 |
| End of Boring @ -32.0' | | | |

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

BORING 1

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# Bridge Foundation Boring Log

Project: H-08101 Bridge over CN/IC RR Date: 5/30/08
Section: 07-06121-00-BR Station
Structure:
County: Jefferson Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:
Assumed 100.0 = (509.2)

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

| Elevation | N | Qu tsf | w % |
|---|---|---|---|
| Ground Surface 98.9 | 0 | | |
| Gray Mottled Silty CLAY (508.1) (A-6) with sand | | | |
| | 4 | 1.1S | 26 |
| | 3 | 1.2S | 22 |
| | 8 | 1.3S | 22 |
| | 6 | 1.5S | 21 |
| | 9 | 1.7S | 19 |
| | 8 | 1.7S | 24 |
| (491.6) 82.4 | | | |
| Brown Mottled Gray Sandy CLAY (A-6) | 8 | 0.9S | 16 |
| | 10 | 1.0S | 23 |
| (487.1) 77.9 | | | |
| Brown Mottled Gray Sandy Weathered SHALE | 50 | 3.7S | 12 |
| weathered shale (continued) | | | |
| | 59 | 4.0S | 12 |
| | 45 | 3.3S | 15 |
| | 100/6" | --- | 10 |
| (477.1) 67.9 | | | |
| Gray Mottled Brown Sandy SHALE | 100/6" | --- | 9 |
| (473.1) 63.9 | 100/6" | --- | 10 |
| End of Boring @ -35.0' | | | |

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

BORING 2

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

BORINGS
STRUCTURE NO. 041-3738

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

PROJECT NUMBER: 08.0126.130 DATE: 12/16/08

| T.R. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 131 | 07-06121-00-BR | JEFFERSON | 30 | 30 |
| FARRINGTON ROAD DISTRICT | | CONTRACT NO. 99350 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |