STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 64427

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| S.B.I. F.A. 646 | (102) BR-2 | Whiteside | 69 | 43 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 23
25 SHEETS

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Two Materials
Hahnaman Twp. - 33NE - T19N, R7E
BM = CL Roadway @ center of bridge = 100.00

Units English
Bridge Foundation
Boring Log

Sh. 1 of 2

PROJECT P-92-060-99
ROUTE FAP 646
SEC. 102 BR-2
COUNTY Whiteside
Boring No. B-1
Sta 673 + 84
O/S 14' Lt CL

BRIDGE IL 40 over the Green River, 1.0 mile south of Deer Grove
STA. 674 + 78

Date 01/06/00
Bored By W. Garza
Checked By T. Bratt

Surf Wat El. 85.0
Grndwater El. at Compl Wash
At 24 Hrs 86.2

| DEPTH | Description | N | Qu t/sf | W % |
|---|---|---|---|---|
| 0 | Ground Surface 645.3 | | | |
| | 18" of Asphalt | | | |
| | SOFT brown dirty SANDY CLAY | | | 9 |
| | MEDIUM dark brown CLAY LOAM | 3 4 3 | 0.7 P | 25 |
| -5 | SOFT brown dirty fine SAND | 2 2 4 | 0.5 P | 13 |
| | LOOSE gray/rust/tan fine SAND with trace of CLAY | 3 2 4 | | 19 |
| -10 | LOOSE Same as above | 1 2 3 | 0.5 P | 19 |
| | MEDIUM black SILTY LOAM with gray SAND lens | 1 1 2 | 0.5 P | 23 |
| -15 | LOOSE gray CONCRETE debris | 16 4 3 | | |
| | First Encounter V VERY SOFT tan gray LOAM | 0 1 1 | 0.0 P | 40 |
| -20 | LOOSE grayish tan fine SAND | 2 3 5 | | |
| | next column | | | |

| DEPTH | Description | N | Qu t/sf | W % |
|---|---|---|---|---|
| | MEDIUM gray fine SAND | 3 6 6 | | |
| -25 | MEDIUM gray fine SAND | 1 5 6 | | |
| | LOOSE/MEDIUM gray fine SAND | 0 1 9 | | |
| -30 | MEDIUM Same as above | 3 6 8 | | |
| | MEDIUM gray fine SAND | 3 5 10 | | |
| -35 | MEDIUM gray top 6" fine SAND, bottom 12" medium coarse SAND | 4 6 8 | | |
| | wash | | | |
| -40 | MEDIUM gray fine SAND | 4 6 9 | | |
| -45 | | | | |

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 1 of 2

Units English
Project P-92-060-99
Route FAP 646
Sec. 102 BR-2
County Whiteside

Sh. 2 of 2

Boring No. B-1
Sta 673 + 84
O/S 14' Lt CL

| El. | Description | N | Qu t/sf | W % |
|---|---|---|---|---|
| | wash | | | |
| -45 | No Recovery | 3 5 7 | | |
| | wash | | | |
| -50 | MEDIUM gray fine SAND | 5 8 12 | | |
| | wash | | | |
| -55 | MEDIUM gray fine SAND | 5 9 11 | | |
| | wash | | | |
| -60 | LOOSE gray fine SAND | 1 3 5 | | |
| | wash | | | |
| -65 | DENSE gray medium coarse SAND | 8 14 18 | | |
| -70 | | | | |

| El. | Description | N | Qu t/sf | W % |
|---|---|---|---|---|
| -70 | VERY STIFF gray SILTY CLAY | 6 7 10 | 2.9 B | 27 |
| | wash | | | |
| | VERY STIFF gray CLAY | 4 7 9 | 2.9 B | 28 |
| -75 | VERY STIFF gray CLAY | 5 7 9 | 2.7 B | 29 |
| | VERY STIFF gray CLAY | 3 5 8 | 2.3 B | 27 |
| -80 | wash | | | |
| | VERY STIFF gray CLAY | 6 8 9 | 3.1 S | 26 |
| | 1/7/2000 | | | |
| | wash | | | |
| | VERY STIFF gray CLAY | 7 8 9 | 2.2 P | 26 |
| -85 | wash | | | |
| | VERY STIFF gray CLAY | 6 8 10 | 2.7 B | 25 |
| | wash | | | |
| | VERY STIFF gray CLAY | 5 6 8 | 3.3 B | 26 |
| -90 | wash | | | |
| | VERY STIFF gray CLAY | 7 8 9 | 2.7 B | 27 |
| | END OF BORING | | | |
| -95 | | | | |

Sheet 2 of 2

BORING #1

SOIL BORING LOG
IL RTE 40 OVER GREEN RIVER
F.A.P. 646 SECTION (102)BR-2
WHITESIDE COUNTY
STATION 674+77.63
S.N. 098-0018

| DESIGNED | DRAWN | CHECKED | CHECKED |
|---|---|---|---|
| DBD | JDB | JFJ | DBD |

RANDOLPH & ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS

FILE NUMBER 136.111
DATE Aug. 2005

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