

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|-----------------------|----------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 301 | 1-HBR-2F | WINNEBAGO | 29 | 27 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | CONTRACT NO. 64F62 | | |

SHEET NO. 25
27 SHEETS



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

SOIL BORING LOG

Page 1 of 2

Date 5/8/07

ROUTE FA 194 DESCRIPTION P92-095-07 Meridian Road over Bypass 20 LOGGED BY W. Garza
SECTION _____ LOCATION Winnebago Twp. - 12 SW. SEC. TWP. 26N. RNG. 11E
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO. | DEPTH | BLOW COUNT | UCS | MOISTURE | SOIL DESCRIPTION | DEPTH | BLOW COUNT | UCS | MOISTURE |
|--------------------------------------|-------|------------|-------|----------|--------------------------------------|-------|------------|-------|----------|
| Station | (ft) | (/6") | (tsf) | (%) | | (ft) | (/6") | (tsf) | (%) |
| | | | | | Surface Water Elev. _____ ft | | | | |
| | | | | | Stream Bed Elev. <u>79.50</u> ft | | | | |
| BORING NO. <u>B-3</u> | | | | | Groundwater Elev.: _____ ft | | | | |
| Station <u>11+50</u> | | | | | First Encounter <u>79.8</u> ft | | | | |
| Offset <u>9.00ft Lt CL</u> | | | | | Upon Completion _____ ft | | | | |
| Ground Surface Elev. <u>99.80</u> ft | | | | | After _____ Hrs. | | | | |
| 7" Asphalt, 8" Concrete | | | | 10.0 | VERY STIFF gray SILTY CLAY | 5 | | | |
| | | | | | | 8 | 3.9 | 23.0 | |
| | | | | | | 13 | B | | |
| STIFF tan LOAM | 97.30 | 5 | | | VERY STIFF gray/tan SILTY CLAY | 4 | | | |
| | | 2 | 1.1 | 10.0 | | 5 | 2.1 | 28.0 | |
| | 95.80 | 4 | B | | | 8 | B | | |
| SOFT tan SANDY LOAM | | 1 | | | STIFF gray SILTY LOAM with SAND lens | 3 | | | |
| | | 0 | 0.4 | 11.0 | | 5 | 2.0 | 23.0 | |
| | 93.30 | 2 | P | | | 7 | B | | |
| VERY STIFF tan LOAM | | 3 | | | STIFF tan SILT with SAND lens | 2 | | | |
| | | 7 | 2.9 | 18.0 | | 4 | 1.3 | 21.0 | |
| | 90.80 | 10 | B | | | 6 | P | | |
| VERY STIFF tan SANDY LOAM | | 7 | | | MEDIUM tan very moist SAND & GRAVEL | 9 | | | |
| | | 9 | 2.3 | 11.0 | | 11 | | | |
| | 88.30 | 15 | S | | | 18 | | | |
| STIFF tan SANDY LOAM | | 3 | | | | | | | |
| | | 6 | 2.0 | 9.0 | | | | | |
| | 85.80 | 7 | S | | | | | | |
| STIFF redish brown LOAM | | 2 | | | MEDIUM tan fine SAND with SILT lens | 11 | | | |
| | | 5 | 1.6 | 14.0 | | 9 | | 23.0 | |
| | 83.30 | 7 | P | | | 6 | | | |
| VERY STIFF gray LOAM with GRAVEL | | 6 | | | MEDIUM tan SILT with SAND lens | 2 | | | |
| | | 7 | 2.9 | 20.0 | | 3 | 0.5 | 24.0 | |
| | 80.80 | 21 | B | | | 5 | P | | |

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)



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|--|-------|------------|-------|----------|----------------------------------|-------|------------|-------|----------|
| Station | (ft) | (/6") | (tsf) | (%) | | (ft) | (/6") | (tsf) | (%) |
| | | | | | Surface Water Elev. _____ ft | | | | |
| | | | | | Stream Bed Elev. <u>79.50</u> ft | | | | |
| BORING NO. <u>B-3</u> | | | | | Groundwater Elev.: _____ ft | | | | |
| Station <u>11+50</u> | | | | | First Encounter <u>79.8</u> ft | | | | |
| Offset <u>9.00ft Lt CL</u> | | | | | Upon Completion _____ ft | | | | |
| Ground Surface Elev. <u>99.80</u> ft | | | | | After _____ Hrs. | | | | |
| LOOSE tan fine SAND | | 1 | | | | | | | |
| | | 2 | | | | | | | |
| | 58.30 | 3 | | | | | | | |
| MEDIUM tan SAND & GRAVEL | | | | | | | | | |
| | | 1 | | | | | | | |
| | 55.80 | 5 | | | | | | | |
| | | 6 | | | | | | | |
| Wash | | | | | | | | | |
| VERY DENSE tan well-cemented SAND & GRAVEL | | 31 | | | | | | | |
| | | 100/9' | | | | | | | |
| Hard Drilling | | | | | | | | | |
| | 45.80 | | | | | | | | |
| VERY DENSE tan SAND with LIMESTONE fragments | | | | | | | | | |
| | | 100/2' | | | | | | | |
| End of Boring | 43.30 | | | | | | | | |

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BBS, from 137 (Rev. 8-99)

| | |
|----------|-----------|
| DESIGNED | GUN / OAO |
| CHECKED | FCO |
| DRAWN | TCS / GUN |
| CHECKED | FCO |

FOR INFORMATION ONLY
SOIL BORING LOGS
MERIDIAN ROAD OVER US 20
F.A.P. 301 (US 20) - SEC. 1-HBR-2F
WINNEBAGO COUNTY
STATION 100+00
STRUCTURE NO. 101-0096

HOH HARRY G. HEFNER-ASSOCIATES, INC.
DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Suite 800
Chicago, IL 60604
312-346-8131
PROJECT NUMBER 2945

12:07:31 PM 7/22/2009 \\s:\proj\jeis\2945\DNS\Structura\Meridian_Road\Draws From SD\JG\Files\T\Inl\Draws 1-2009\1010096-64D50-025-SBLOGS3.dgn