

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 5/20/08

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US 20 .7 m. E. of IL 2 LOGGED BY J. Stratling

SECTION (3, 4) R LOCATION Rockford Twp. - 11 NW, SEC., TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Dledrich Automatic

STRUCT. NO. 101-0059 & 0060
Station 492+30

BORING NO. B-4b
Station 494+38
Offset 5.00ft Lt CL
Ground Surface Elev. 709.7 ft

| DEPTH (ft) | SOIL DESCRIPTION | WATER | TEMPERATURE | UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE | DEPTH (ft) | SOIL DESCRIPTION | WATER | TEMPERATURE | UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE |
|------------|---|-------|-------------|--|------------|--------------------------------------|-------|-------------|--|
| 0 | LOOSE brown dirty medium SAND with GRAVEL | | | | 688.20 | MEDIUM tan/brown dirty SAND & GRAVEL | | | |
| 12 | DENSE brown dirty medium SAND with GRAVEL | | | | 685.70 | LOOSE brown dirty SAND & GRAVEL | | | |
| 16 | | | | | 683.20 | LOOSE tan SAND & GRAVEL | | | |
| 17 | | | | | 680.70 | MEDIUM brown SAND & GRAVEL | | | |
| 6 | MEDIUM tan SAND & GRAVEL | | | | 678.20 | Wash MEDIUM tan SAND & GRAVEL | | | |
| 6 | | | | | 675.70 | MEDIUM tan SAND & GRAVEL | | | |
| 7 | | | | | 673.20 | MEDIUM tan/gray SAND & GRAVEL | | | |
| 7 | MEDIUM brown dirty SAND & GRAVEL | | | | 670.70 | MEDIUM tan SAND & GRAVEL | | | |
| 6 | | | | | 690.20 | | | | |
| 5 | MEDIUM dark gray SANDY LOAM | | | 1.0 P | | | | | |
| 4 | | | | | | | | | |
| 2 | LOOSE dark gray dirty medium SAND | | | | | | | | |
| 2 | | | | | | | | | |
| 1 | MEDIUM dark gray SANDY LOAM | | | 0.5 P | | | | | |
| 1 | | | | | | | | | |
| 0 | STIFF gray SILT with SAND lenses | | | 1.8 P | | | | | |
| 1 | | | | | | | | | |
| 4 | | | | | | | | | |

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, form 137 (Rev. 8-99)

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|---------------|------------------------------------|-------|-------------|--|------------|-------------------------------|-------|-------------|--|
| 4 | MEDIUM tan medium SAND with GRAVEL | | | | 648.20 | Wash MEDIUM tan SAND & GRAVEL | | | |
| 6 | | | | | 645.70 | | | | |
| 10 | | | | | 643.20 | Wash MEDIUM tan SAND & GRAVEL | | | |
| 11 | Wash DENSE tan medium SAND | | | | 640.70 | | | | |
| 16 | | | | | 638.20 | Wash DENSE tan medium SAND | | | |
| 21 | | | | | 635.70 | | | | |
| 6 | Wash MEDIUM tan SAND & GRAVEL | | | | 633.20 | Wash DENSE tan SAND & GRAVEL | | | |
| 11 | | | | | | | | | |
| 15 | | | | | | | | | |
| 3 | Wash MEDIUM tan SAND & GRAVEL | | | | | | | | |
| 7 | | | | | | | | | |
| 11 | | | | | | | | | |
| 9 | Wash DENSE tan SAND & GRAVEL | | | | | | | | |
| 21 | | | | | | | | | |
| 24 | | | | | | | | | |
| End of Boring | | | | | | | | | |

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, form 137 (Rev. 8-99)

PRE-FINAL

| | | | | | | | | | | |
|------------|------------------------------------|---------------|---|---|---------------------------|---------------------|---------------------------|--------------|-----------|--|
| DESIGNED - | EXAMINED _____ | DATE - _____ | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SOIL BORING LOGS STRUCTURE NO. 101-0197 (E.B.) & 101-0198 (W.B.) | F.A.P. RTE. 301 | SECTION 3BR & 3BR-1 | COUNTY WINNEBAGO | TOTAL SHEETS | SHEET NO. | |
| CHECKED - | ENGINEER OF BRIDGE DESIGN | REVISOR _____ | | | CONTRACT NO. 64D19 | | ILLINOIS FED. AID PROJECT | | | |
| DRAWN - | PASSED _____ | REVISOR _____ | | | SHEET NO. 50 OF 50 SHEETS | | | | | |
| CHECKED - | ENGINEER OF BRIDGES AND STRUCTURES | REVISOR _____ | | | | | | | | |