

BORING LOGS



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/22/07

ROUTE FAP 642 DESCRIPTION P92-047-07 Box culvert on IL 78, .75 m. S. of Groeziner Road LOGGED BY W. Garza
SECTION (10, 11) T LOCATION Pleasant Valley Twp. - 9 NE, SEC. , TWP. 26N, RNG. 4E
COUNTY JoDaviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

| STRUCT. NO. | DEPTH | BLOW | UCS | M O I S T | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev.: | First Encounter | Upon Completion | After |
|---------------------------------------|-------|--------|-------|-----------|---------------------|------------------|--------------------|-----------------|-----------------|-------|
| Station | (ft) | (/6") | (tsf) | (%) | ft | ft | ft | ft | ft | ft |
| 278+26 | | | | | | 84.0 | | | | |
| B-2b | | | | | | | | | | |
| 278+13 | | | | | | | | | | |
| 11.00ft Lt CL | | | | | | | | | | |
| 99.5 | | | | | | | | | | |
| Shoulder Rock | | | | | | | | | | |
| MEDIUM gray/brown SILTY CLAY LOAM | 97.50 | | 0.8 P | 15 | | | | | | |
| MEDIUM tan/brown SILTY CLAY LOAM | 96.00 | 12 9 5 | 0.8 P | 27 | | | | | | |
| MEDIUM tan SILTY LOAM | 93.50 | 4 4 7 | 0.8 P | 19 | | | | | | |
| MEDIUM gray SILTY LOAM | 91.00 | 3 4 4 | 0.5 P | 23 | | | | | | |
| MEDIUM tan SILTY LOAM | 88.50 | 4 4 6 | 0.8 B | 21 | | | | | | |
| MEDIUM tan SILTY CLAY LOAM with CHERT | 85.50 | 4 4 5 | 0.5 P | 14 | | | | | | |
| MEDIUM tan dirty SAND, dry wet CHERT | 83.00 | 5 7 8 | | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | 81.00 | 23 | | 100/3' | | | | | | |
| End of Boring | -20 | | | | | | | | | |

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 | ft | ft | ft | ft | ft |
| 278+26 | | | | | | 84.0 | | | | |
| B-1b | | | | | | | | | | |
| 278+50 | | | | | | | | | | |
| 12.00ft Rt CL | | | | | | | | | | |
| 99.4 | | | | | | | | | | |
| Shoulder Rock | | | | | | | | | | |
| MEDIUM dark brown SILTY CLAY LOAM | 97.40 | | 0.6 P | 38 | | | | | | |
| VERY STIFF brown SILTY CLAY LOAM | 95.90 | 4 4 6 | 3.3 B | 26 | | | | | | |
| MEDIUM tan SILTY LOAM with 11% ORGANICS | 93.40 | 2 3 4 | 0.7 P | 41 | | | | | | |
| STIFF tan SILTY LOAM | 90.90 | 3 4 5 | 1.2 B | 25 | | | | | | |
| STIFF gray SILTY CLAY | 88.40 | 2 2 4 | 1.1 B | 28 | | | | | | |
| STIFF gray SILTY CLAY | 85.90 | 2 4 5 | 1.5 B | 26 | | | | | | |
| MEDIUM gray SILTY CLAY | 82.90 | 3 3 4 | 0.5 P | 63 | | | | | | |
| LOOSE/MEDIUM tan dirty SAND with weathered LIMESTONE fragments | 80.40 | 5 6 4 | | | | | | | | |
| End of Boring | -40 | | | | | | | | | |

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)

| | | | | | | | | | | |
|--|----------------------|------------|--------------------|---|--------------------|---------------------|--------------|---------------------|---------------------------|-----------|
| FILE NAME = | USER NAME = hensonke | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BORING LOGS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ci\pwork\FWIDOT\HENSONKE\dms33697\00707BOR.DGN | DRAWN - | REVISED - | 642 | | | (10,11)T | JO DAVIESS | 283 | 104 | |
| PLOT SCALE = 165.0000' / IN. | CHECKED - | REVISED - | CONTRACT NO. 64D07 | | | | | | | |
| PLOT DATE = Wed Sep 03 10:24:04 2008 | DATE - | REVISED - | SCALE: | | | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | |