


BORING LOGS



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

SOIL BORING LOG

Page 1 of 1
Date 3/7/08

ROUTE FA 742 DESCRIPTION P92-064-86 IL 2 retaining wall, south of Stronghold Entrance LOGGED BY W. Garza


SECTION 37 RS-3 LOCATION Rockvale Twp. - 33 NE, SEC. , TWP. 24N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO. Station | D E P T H | B L O W S | U C S Qu | M O I S T | Surface Water Elev. | |
|---|-----------------------|-----------------------|-------------------|-----------------------|---------------------|-------------------|
| | | | | | ft | ft |
| BORING NO. <u>B-6a</u> Station <u>672+75</u> Offset <u>41.00ft Rt CL</u> Ground Surface Elev. <u>682.00</u> ft | (ft) | (/6") | (tsf) | (%) | Groundwater Elev.: | |
| | | | | | First Encounter | <u>669.5</u> ft ▼ |
| | | | | | Upon Completion | <u>669.0</u> ft ▼ |
| | | | | | After | <u> </u> Hrs. |
| STIFF brown SILTY CLAY LOAM | | | 1.0 P | 28.0 | | |
| MEDIUM brown SILTY CLAY LOAM | 679.50 | 1 | | | | |
| | | 2 | 0.8 B | 28.0 | | |
| | 678.00 | 3 | | | | |
| SOFT brown SILTY CLAY LOAM with SAND lens | | | | | | |
| | | 1 | | | | |
| | 675.50 | 2 | 0.3 B | 31.0 | | |
| VERY SOFT light brown SILTY LOAM | | | | | | |
| | | 1 | 0.0 P | 27.0 | | |
| | 672.50 | 1 | | | | |
| MEDIUM light brown dirty SANDY GRAVEL | | | | | | |
| | | 1 | | | | |
| | 670.50 | 9 | | | | |
| | | 13 | | | | |
| DENSE tan SANDY GRAVEL | | | | | | |
| | | 14 | | | | |
| | 668.00 | 17 | | | | |
| | | 17 | | | | |
| MEDIUM tan SAND with medium GRAVEL and SILT lens | | | | | | |
| | | 11 | | | | |
| | 665.50 | 8 | | | | |
| 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, from 137 (Rev. 8-99)



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

SOIL BORING LOG

Page 1 of 1
Date 3/5/08

ROUTE FA 742 DESCRIPTION P92-064-86 IL 2 retaining wall, south of Stronghold Entrance LOGGED BY W. Garza

SECTION 37 RS-3 LOCATION Rockvale Twp. - 33 NE, SEC. , TWP. 24N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

| STRUCT. NO. Station | D E P T H | B L O W S | U C S Qu | M O I S T | Surface Water Elev. | |
|---|-----------------------|-----------------------|-------------------|-----------------------|---|-------------------|
| | | | | | ft | ft |
| BORING NO. <u>B-3a</u> Station <u>673+40</u> Offset <u>11.00ft Lt CL</u> Ground Surface Elev. <u>686.40</u> ft | (ft) | (/6") | (tsf) | (%) | Groundwater Elev.: | |
| | | | | | First Encounter | <u>669.4</u> ft ▼ |
| | | | | | Upon Completion | <u>668.4</u> ft ▼ |
| | | | | | After | <u> </u> Hrs. |
| Asphalt Concrete | | | | | VERY DENSE rusty yellow fine SAND (continued) | <u>665.40</u> |
| | | | | | End of Boring | |
| VERY STIFF brown SILTY CLAY LOAM | 684.40 | 5 | | | | |
| | | 5 | 2.7 S | 22.0 | | |
| | 682.90 | 5 | | | | |
| MEDIUM brown SILTY CLAY LOAM | | | | | | |
| | | 3 | | | | |
| | 680.40 | 4 | 0.6 B | 26.0 | | |
| VERY SOFT brown SILTY CLAY LOAM with bottom 6" fine SAND | | | | | | |
| | | 1 | 0.2 P | 24.0 | | |
| | 677.40 | 7 | | | | |
| VERY DENSE rust fine SAND | | | | | | |
| | | 16 | | | | |
| | 675.40 | 31 | | | | |
| | | 53 | | | | |
| VERY DENSE rusty yellow fine SAND | | | | | | |
| | | 21 | | | | |
| | 672.90 | 100/9" | | | | |
| Augers easily VERY DENSE rusty yellow fine SAND | | | | | | |
| | | 27 | | | | |
| | 670.40 | 100/7" | | | | |
| VERY DENSE off white fine SAND | | | | | | |
| | | 100/2" | | | | |
| | 667.90 | | | | | |
| | | 100/4" | | | | |

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, from 137 (Rev. 8-99)

| | | | | | | | | | | | |
|---|-----------------------|------------|-----------|---|--------------------|---|---------|--------|-----------------|--------------|--|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BORING LOGS | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ca:\pwork\PWIDOT\CUSHMANBW\dms34123\dgs4861logs.dgn | | DRAWN - | REVISED - | | | 742 | 37R-3 | OGLE | 345 | 218 | |
| PLOT SCALE = 1988.0048 in / IN. | | CHECKED - | REVISED - | | | CONTRACT NO. 84788 | | | | | |
| PLOT DATE = Fri May 01 08:36:58 2009 | | DATE - | REVISED - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |