

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

ROUTE FA 742 DESCRIPTION P92-064-86 Retaining wall along Route 2, from a point 950' S. of Mud Creek Road LOGGED BY W. Garza
SECTION 37 RS-3 LOCATION Rockvale Twp. - 28NW, SEC. TWP. 24N, RNG. 10E
COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

| STRUCT. NO. | DEPT | BLOW | UCS | MOIST | Surface Water Elev. | DEPT | BLOW | UCS | MOIST |
|---------------------------------------|------|-------|-------|-------|---------------------------------|------|-------|-------|-------|
| Station | H | S | Qu | T | ft | H | S | Qu | T |
| BORING NO. <u>B-6c</u> | | | | | Groundwater Elev.: | | | | |
| Station <u>710+00</u> | | | | | First Encounter <u>672.4</u> ft | | | | |
| Offset <u>14.00ft Lt CL</u> | | | | | Upon Completion <u>672.4</u> ft | | | | |
| Ground Surface Elev. <u>679.40</u> ft | (ft) | (/6") | (tsf) | (%) | After <u> </u> Hrs. | (ft) | (/6") | (tsf) | (%) |
| MEDIUM brown SILTY CLAY LOAM | | | 0.6 | 17.0 | | | | | |
| | | | P | | | | | | |
| | | | | | 657.90 | | | | |
| MEDIUM tan weathered LIMESTONE | | 5 | | | Time: 19 minutes | | | | |
| | | 5 | | | GOOD tan LIMESTONE | | | | |
| | | 8 | | | 100% Recovery | | | | |
| | | | | | 29" RQD | | | | |
| DENSE tan weathered LIMESTONE | | 19 | | | | | | | |
| | | 14 | | | | | | | |
| | | 18 | | | | | | | |
| DENSE tan weathered LIMESTONE | | 24 | | | End of Boring | | | | |
| | | 19 | | | | | | | |
| | | 19 | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 55 | | | | | | | |
| | | 37 | | | | | | | |
| | | 23 | | | | | | | |
| DENSE tan weathered LIMESTONE | | 21 | | | | | | | |
| | | 16 | | | | | | | |
| | | 18 | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 35 | | | | | | | |
| | | 100/8 | | | | | | | |
| Auger Refusal at 16.5' | | | | | | | | | |
| Box #9 | | | | | | | | | |
| POOR tan LIMESTONE | | | | | | | | | |
| 70% Recovery | | | | | | | | | |
| Time: 25 minutes | | | | | | | | | |

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 T208)
BBS, from 137 (Rev. 8-99)



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|---------------------------------------|------|-------|-------|-------|---------------------------------|------|-------|-------|-------|
| Station | H | S | Qu | T | ft | H | S | Qu | T |
| BORING NO. <u>B-6c</u> | | | | | Groundwater Elev.: | | | | |
| Station <u>711+08</u> | | | | | First Encounter <u>672.4</u> ft | | | | |
| Offset <u>14.00ft Lt CL</u> | | | | | Upon Completion <u>672.4</u> ft | | | | |
| Ground Surface Elev. <u>679.40</u> ft | (ft) | (/6") | (tsf) | (%) | After <u> </u> Hrs. | (ft) | (/6") | (tsf) | (%) |
| Shoulder Rock | | | | | | | | | |
| | | | | | 677.40 | | | | |
| VERY DENSE tan weathered LIMESTONE | | 18 | | | | | | | |
| | | 33 | | | | | | | |
| | | 33 | | | | | | | |
| MEDIUM tan weathered LIMESTONE | | 18 | | | | | | | |
| | | 11 | | | | | | | |
| | | 12 | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 9 | | | | | | | |
| | | 23 | | | | | | | |
| | | 49 | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 100/6 | | | | | | | |
| Auger Refusal - 89.1 | | | | | | | | | |
| | | | | | 668.40 | | | | |
| End of Boring | | | | | | | | | |

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

| |
|---------------------|
| DESIGNED <u>JMW</u> |
| CHECKED <u>DFM</u> |
| DRAWN <u>CTH</u> |
| CHECKED <u>DFM</u> |

BORING LOGS
STRUCTURE NO. 071-7003

| | | | | | |
|---|-------------|---------|--------|--------------|-----------|
| SHEET NO. 11 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 13 SHEETS | 742 | 37R-4 | OGLE | 867 | 210 |
| CONTRACT NO. 64E17 | | | | | |
| FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT | | | | | |