

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. - 28 NW, SEC. TWP. 24N, RNG. 10E
COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

| STRUCT. NO. | DEPTH | B | L | U | M | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev.: | First Encounter | Upon Completion | After |
|------------------------------------|--------|-------|-------|------|---|---------------------|------------------|--------------------|-----------------|-----------------|-------|
| Station | H | S | W | Qu | S | ft | ft | ft | ft | ft | ft |
| | (ft) | (/6") | (tsf) | (%) | | | | | | | |
| 8" Asphalt | | | | | | | | | | | |
| SOFT brown LOAM with ROCK | 678.40 | 2 | | | | | | | | | |
| | | 5 | 0.4 | 12.0 | | | | | | | |
| | 676.90 | 14 | P | | | | | | | | |
| VERY STIFF tan LOAM with ROCK | | 4 | | | | | | | | | |
| | | 5 | 2.1 | 21.0 | | | | | | | |
| | 673.90 | 9 | P | | | | | | | | |
| LOOSE tan weathered LIMESTONE | | 4 | | | | | | | | | |
| | | 5 | | | | | | | | | |
| | 671.90 | 5 | | | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 10 | | | | | | | | | |
| Auger Refusal - 88.5 | 669.40 | 51 | | | | | | | | | |
| 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)



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|--|--------|--------|-------|------|---|---------------------|------------------|--------------------|-----------------|-----------------|-------|
| Station | H | S | W | Qu | S | ft | ft | ft | ft | ft | ft |
| | (ft) | (/6") | (tsf) | (%) | | | | | | | |
| 18" Asphalt Shoulder | | | | | | | | | | | |
| SOFT tan SILTY LOAM | 680.30 | 2 | | | | | | | | | |
| | | 2 | 0.2 | 25.0 | | | | | | | |
| | 678.80 | 3 | P | | | | | | | | |
| MEDIUM tan LOAM with LIMESTONE fragments | | 4 | | | | | | | | | |
| | | 5 | 0.5 | 18.0 | | | | | | | |
| | 676.30 | 5 | P | | | | | | | | |
| MEDIUM tan SILTY LOAM with weathered LIMESTONE | | 4 | | | | | | | | | |
| | | 8 | 0.6 | 24.0 | | | | | | | |
| | 673.80 | 6 | P | | | | | | | | |
| SOFT tan weathered LIMESTONE with LOAM lens | | 5 | | | | | | | | | |
| | | 6 | 0.4 | 20.0 | | | | | | | |
| | 670.80 | 5 | P | | | | | | | | |
| DENSE tan weathered LIMESTONE | | 6 | | | | | | | | | |
| | | 21 | | | | | | | | | |
| | 668.80 | 15 | | | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 100/5' | | | | | | | | | |
| | 666.30 | | | | | | | | | | |
| VERY DENSE tan weathered LIMESTONE | | 100/2' | | | | | | | | | |
| Auger Refusal | 663.80 | | | | | | | | | | |
| 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 T206)
BBS, from 137 (Rev. 8-99)

| | |
|----------|-----|
| DESIGNED | JMW |
| CHECKED | DFM |
| DRAWN | CTH |
| CHECKED | DFM |

BORING LOGS
STRUCTURE NO. 071-7003

| | | | | | |
|---|-------------|---------|--------|--------------|-----------|
| SHEET NO. 13 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 13 SHEETS | 742 | 37R-4 | OGLE | 867 | 212 |
| CONTRACT NO. 64E17 | | | | | |
| FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT | | | | | |