

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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Date 8/30/04

ROCK CORE LOG

ROUTE IL 178 Realignment DESCRIPTION Clark Run LOGGED BY Larry Meyers

SECTION _____ LOCATION SEC. 8, TWP. 33N, R1NG. 2, 3rd PM

COUNTY LaSalle CORING METHOD Rotary

| STRUCT. NO. Station | CORING BARREL TYPE & SIZE 5' Double tube | Core Diameter 2 in | Top of Rock Elev. 470.57 ft | Begin Core Elev. 469.07 ft | DEPTH (ft) | CORRECTION (#) | DIP (%) | ROTATION (%) | CORE (min/ft) | STRENGTH (tsf) | REMARKS |
|------------------------|---|-----------------------|--------------------------------|-------------------------------|---------------|-------------------|------------|-----------------|------------------|-------------------|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | Light gray mix of Dolomite pieces, rounded Quartz Sand grains in argillaceous carbonate matrix. Vuggy and fractured. |
| | | | | | | | | | | | 578.5 |
| | | | | | | | | | | | 504.2 |
| | | | | | | | | | | | 287.5 |
| | | | | | | | | | | | Thin interbedded argillaceous Limestone and shale Rounded Quartz grains in carbonate matrix with areas of gray Shale & Clay and argillaceous Limestone. 3" layer of white Sandstone at 22' |
| | | | | | | | | | | | 226.4 |
| | | | | | | | | | | | 501.9 |
| | | | | | | | | | | | 403.3 |
| | | | | | | | | | | | 589.0 |
| | | | | | | | | | | | 882.4 |
| | | | | | | | | | | | End of Boring |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

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Date 9/2/04

ROCK CORE LOG

ROUTE IL 178 Realignment DESCRIPTION Clark Run LOGGED BY Larry Meyers

SECTION _____ LOCATION SEC. 8, TWP. 33N, R1NG. 2, 3rd PM

COUNTY LaSalle CORING METHOD Rotary

| STRUCT. NO. Station | CORING BARREL TYPE & SIZE 5' Double tube | Core Diameter 2 in | Top of Rock Elev. 469.06 ft | Begin Core Elev. 468.06 ft | DEPTH (ft) | CORRECTION (#) | DIP (%) | ROTATION (%) | CORE (min/ft) | STRENGTH (tsf) | REMARKS |
|------------------------|---|-----------------------|--------------------------------|-------------------------------|---------------|-------------------|------------|-----------------|------------------|-------------------|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | Medium Brown/Gray Fine/Coarse Sand with Limestone Pieces and Silt. Top of rock at 13.5' (continued) |
| | | | | | | | | | | | 626.3 |
| | | | | | | | | | | | 394.1 |
| | | | | | | | | | | | Gray argillaceous Dolomite, somewhat vuggy with Pyrite and Calcite fillings. Thin greenish gray Clay partings. Thin (< 0.3mm) vertical fractures filled with iron Carbonate material. |
| | | | | | | | | | | | 508.8 |
| | | | | | | | | | | | 382.8 |
| | | | | | | | | | | | 536.3 |
| | | | | | | | | | | | 783.8 |
| | | | | | | | | | | | 538.8 |
| | | | | | | | | | | | 727.8 |
| | | | | | | | | | | | Gray Carbonate with Pyrite filled holes. Appears to be pieces of reworked Dolomite up to 1" in size in an argillaceous Carbonate matrix. Vertical fractures between bedding planes. Lower St. Peter Formation, Ansell Group, Ordovician System. |
| | | | | | | | | | | | End of Boring |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

| | |
|----------|------------|
| DESIGNED | - |
| CHECKED | - |
| DRAWN | <i>NV</i> |
| CHECKED | <i>JKC</i> |

CHAMBLIN & ASSOCIATES
PERU ILLINOIS MORRIS

| | | | | | |
|---------------------|-------------|----------|--------------------|--------------|-----------|
| SHEET NO. 17 | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 1279 | 6R, B | LA SALLE | 190 | 139 |
| 17 SHEETS | SN 050-7201 | | CONTRACT NO. 66547 | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | | |

SOIL BORINGS
STRUCTURE NO. 050-7201