

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCK CORE LOG B-6 (Page 1 of 2)

Illinois Department of Transportation
Division of Highways
District of Office

ROCK CORE LOG

Page 1 of 2
Date 4/5/10

ROUTE FA 24 (IL 23) DESCRIPTION IL 23 over Short Point Creek LOGGED BY Larry Myers

SECTION 102 B-1 LOCATION SE 1/4, SE 1/4, SEC. 8, TWP. 29N, R1NG. 4E

COUNTY Livingston CORING METHOD Split Barrel Wire Line

STRUCT. NO. 053-0161 CORING BARREL TYPE & SIZE N W/L 2
Station 625+82

BORING NO. 6 (SW Quad) Core Diameter 1.9 in
Station 825+14 Top of Rock Elev. 579.74 ft
Offset 14.00 ft RL Begin Core Elev. 578.24 ft
Ground Surface Elev. 601.74 ft

| DEPTH (ft) | CORRECTION (%) | QUALITY (%) | DIRECTION (min/ft) | STRENGTH (tsf) | REMARKS |
|------------|----------------|-------------|--------------------|----------------|---|
| | | | | | |
| 1 | 80 | 77 | 5.6 | 13.0 | Gray Shale, Blocky to Laminated |
| 2 | 83 | 64 | 4.4 | 2.3 | Gray Blocky Shale Black Coal from 29' to 30.5' Gray Under Clay 30.5' to 33.5' |
| 3 | 97 | 78 | 4.2 | 6.0 | Greenish Gray Blocky Shale with Heavy Limestone Pieces at 35.5' |
| 4 | 97 | 84 | 2.2 | 41.0 | Continuation of Blocky Shale & Limestone to 41' Then Greenish Gray Blocky Shale, Dense Does Not React with Acid |

Color pictures of the cores Yes
Cores will be stored for examination until Construction Complete
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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|------------|----------------|-------------|--------------------|----------------|---|
| | | | | | |
| 5 | 92 | 71 | 4 | 22.8 | Greenish Gray Blocky Shale, Dense No Acid Reaction |
| 25.1 | | | | | |
| 553.24 | | | | | End of Boring |

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

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

| | |
|----------|-----|
| DESIGNED | LAS |
| CHECKED | JLA |
| DRAWN | SAW |
| CHECKED | LAS |

BORING LOGS 4
STRUCTURE NO. 053-0189

| | | | | | |
|---|----------------|-------------|--------------------|-----------------|--------------|
| SHEET NO. 26 OF 26 SHEETS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 68 | (102)BR-1 | LIVINGSTON | 58 | 37 |
| | | SN 053-0189 | CONTRACT NO. 66822 | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |