| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| FAP 609 | * | ST. CLAIR | 46 | 35 |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT- | |

SHEET NO. 15
15 SHEETS
76268

* 76-3BR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

# BORING B-2

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 2

Date 11/100

ROUTE FAP 609 DESCRIPTION IL 163 over Prairie du Pont Creek near Millstadt LOGGED BY Larry Ford

SECTION 76-3BR LOCATION NE 14, SEC. 33, TWP. 1N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-0134 (Ex.) 082-0305 (Prop.)
Station 138+68

BORING NO. #2 South Abutment
Station 138+10.3
Offset 11.00ft Rt
Ground Surface Elev. 520.4 ft

Surface Water Elev. 498.3 ft
Stream Bed Elev. 497.8 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Brown, Silt LOAM (Fill) | | | 2 | | |
| | | | 2 | 0.8 | |
| | | | 2 | S20 | 26 |
| | | -5 | 2 | | |
| | | | 2 | 0.6 | |
| | | | 2 | S20 | 22 |
| | | | 2 | | |
| | | | 3 | 2.5 | |
| | | | 3 | P | 22 |
| | 510.4 | -10 | 2 | 0.9 S15 | 22 |
| Gray SILT | 508.9 | | 7 | 1.0 | |
| | | | 8 | P | 17 |
| Brown, Silt LOAM | | | 2 | | |
| | | | 2 | 0.6 | |
| | | | 3 | S20 | 21 |
| Broken, Weathered SANDSTONE | 506.4 | -15 | 502.5" | | |
| | 504.4 | | | NC | 9 |
| Borehole continued with rock coring. | | -20 | | | |

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)

# BORING B-2 ROCK CORE

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

## ROCK CORE LOG

Page 2 of 2

Date 11/100

ROUTE FAP 609 DESCRIPTION IL 163 over Prairie du Pont Creek near Millstadt LOGGED BY Larry Ford

SECTION 76-3BR LOCATION NE 14, SEC. 33, TWP. 1N, RNG. 9W, 3 PM

COUNTY St. Clair CORING METHOD

STRUCT. NO. 082-0134 (Ex.) 082-0305 (Prop.)
Station 138+68

CORING BARREL TYPE & SIZE

Core Diameter in
Top of Rock Elev. 506.40 ft
Begin Core Elev. 504.40 ft

BORING NO. #2 South Abutment
Station 138+10.3
Offset 11.00ft Rt
Ground Surface Elev. 520.4 ft

| Description | Elev. | DEPTH (ft) | CORE (#) | RECOVERY (%) | RQD (%) | CORE TIME (min/ft) | STRENGTH (tsf) |
|---|---|---|---|---|---|---|---|
| Broken, Weathered SANDSTONE | 504.40 | | 1 | 100 | 38 | 1 | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | -25 | | | | | |
| | | | | | | 1 | |
| | | | | | | 0.5 | |
| | | | | | | 0.7 | |
| | | | | | | 2.5 | |
| | | | | | | 0.5 | |
| | | -35 | | | | | |
| | | | | | | 1 | |
| | 494.40 | | | | | | |
| Brown SANDSTONE | | | 2 | 90 | 56 | 0.5 | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | -50 | | | | | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | | | | | 0.5 | |
| | | -55 | | | | | |
| | | | | | | 0.5 | |
| | 484.40 | | | | | | |
| End of Boring and Rock Core | | -60 | | | | | |

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)

| REVISIONS | |
|---|---|
| NAME | DATE |
| | |
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| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

*BORING LOGS*

FAP RTE 609 (IL. 163) PRAIRIE DuPONT CR.
SECTION 76-3BR
ST. CLAIR COUNTY
STA. 138+66.06
S.N. 082-0305

SCALE: VERT. HORIZ.
DATE: 7/26/04

DRAWN BY: LANDREY
DESIGNED BY: WATKINS
CHECKED BY: SANFORD

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
2000 SOUTH 11TH STREET
SPRINGFIELD, ILLINOIS 62703
PROFESSIONAL DESIGN FIRM NO. 184-0019
PROFESSIONAL SERVICE INDUSTRIES, INCORPORATED CORPORATION
(217) 753-8894, (217) 753-5227 FAX E-MAIL: greenebrad@sbcglobal.net

COMPUTER FILE NO. SN0820305_BOR2
PROJECT 02076
4/28/05-MML

FILE NAME = I:\02076\drawings\sn082-0305\sn0820305_bor2.dgn
PLOT SCALE = 1 INCH = 5 DRV = _PLOTTER_
PLOT DATE = 6/22/2005
PLOT TIME = 10:35:48 AM
OPERATOR = michelleb