Illinois Department of Transportation
Division of Highways
IDOT

# SOIL BORING LOG

Page 1 of 2

Date 3/15/04

ROUTE FAP 308 DESCRIPTION P92-076-03 Culvert on IL 84, 0.2 m. S. of 157th Avenue north in Cordova LOGGED BY C. Jenkins

SECTION 109BR-3 & 110T LOCATION Cordova Twp. - SW, SEC. 31, TWP. 19N, RNG. 1E

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 2569+86

BORING NO. B-1b
Station 2570+05
Offset 14.00ft Rt CL
Ground Surface Elev. 99.5 ft

Surface Water Elev. None ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 82.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| MEDIUM dirty brown SAND | | | | | |
| | 97.50 | | | | |
| LOOSE brown SAND | | | 3 2 3 | | |
| | 95.50 | | | | |
| MEDIUM black SANDY LOAM | | -5 | 2 2 2 | 0.6 P | 28 |
| | 93.50 | | | | |
| VERY STIFF reddish-brown CLAY | | | 4 5 7 | 2.1 S | 32 |
| | 90.50 | | | | |
| LOOSE brown fine grained SAND | | -10 | 4 3 4 | | |
| | 88.50 | | | | |
| LOOSE red/brown fine SAND | | | 3 3 5 | | |
| | 86.00 | | | | |
| Same as above | | -15 | 2 2 4 | | |
| | 83.50 | | | | |
| VERY LOOSE tan medium grained SAND | | | 1 1 2 | | |
| | 81.00 | | | | |
| VERY LOOSE tan fine SAND | | -20 | | | |
| VERY LOOSE tan fine SAND (continued) | | | 2 1 2 | | |
| | 78.50 | | | | |
| Same as above | | | 0 1 2 | | |
| | 76.00 | | | | |
| Same as above | | -25 | 2 1 1 | | |
| | 73.50 | | | | |
| LOOSE tan fine SAND | | | 2 3 4 | | |
| | 71.00 | | | | |
| 3/22/04 Wash VERY LOOSE tan fine grained SAND | | -30 | 0 1 1 | | |
| | 68.50 | | | | |
| Wash Same as above | | | 0 1 1 | | |
| | 66.00 | | | | |
| Wash MEDIUM tan fine grained SAND | | -35 | 1 4 7 | | |
| | 63.50 | | | | |
| Wash Same as above | | | 2 5 7 | | |
| | 61.00 | | | | |
| | | -40 | | | |

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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Groundwater Elev.:
First Encounter 82.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Wash MEDIUM tan fine grained SAND (continued) | | | 3 5 9 | | |
| | 58.50 | | | | |
| Wash Same as above | | | 1 4 8 | | |
| | 56.00 | | | | |
| End of Boring | | -45 | | | |
| | | -50 | | | |
| | | -55 | | | |
| | | -60 | | | |

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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)

*Note:*
*In the above logs, groundwater elevations are at the time the boring was taken.*

*Soil Boring Log Station and Elevation Shift*
*Boring Log Station + 157,515.20' = Plan Set Station*
*Boring Log Elevation + 484.54' = Plan Set Elevation*

FILE NAME = u:\job\65300-6399\6346\026\micro\bridd sheets\structural\0378174-64925-086-SBL.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273

| | | |
|---|---|---|
| USER NAME = brianf | DESIGNED RRD | REVISED - |
| | CHECKED- AJS | REVISED - |
| PLOT SCALE = | DRAWN- BJF | REVISED - |
| PLOT DATE = 10/1/2012 | CHECKED RRD | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (1 OF 2)
STRUCTURE NO. 081-2038
SHEET NO. 6 OF 7 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 308 | 110T | ROCK ISLAND | 51 | 33 |
| | | CONTRACT NO. 64925 | | |
| | | ILLINOIS FED. AID PROJECT | | |