| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 335 | 119R-2 | LAKE | 439 | 439 |
| STA. 432+83.12 | | TO STA. 470+56.84 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

60B01

Geo Services Inc.
Geotechnical, Environmental & Civil Engineering
805 Amberst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2398

# SOIL BORING LOG

PAGE 1 of 1
DATE September 13, 2006
LOGGED BY RJ
GSI JOB No. 06119

ROUTE F.A.P. 335 (Il. Route 60) DESCRIPTION Illinois Route 60 Bridge Widening and Reconstruction over I-94
SECTION 119R-2 LOCATION T43N R11E 01NW-T43N R11E 02NE, Vernon Township
COUNTY Lake DRILLING METHOD Hand Auger HAMMER TYPE Manual Hammer

STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86
BORING NO. B-19
Station: 459+18
Offset: 60' Left
Ground Surface Elev. 688.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs. ___

| Description | Depth (ft) | Blows (/6") | UCS Qu (tsf) | Moist (%) |
|---|---|---|---|---|
| TOPSOIL-black<br>Auger refusal @ -1.0'. | | AS | - | 41 |
| End Of Boring @ -1.0'<br>Hand Auger | | | | |
| Hand Auger offset 3 times and encountered refusal on large gravel at 1' each attempt | | | | |
| | -5 | | | |
| | -10 | | | |
| | -15 | | | |
| | -20 | | | |
| | -25 | | | |
| | -30 | | | |
| | -35 | | | |
| | -40 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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# SOIL BORING LOG

PAGE 1 of 1
DATE August 10, 2006
LOGGED BY RH
GSI JOB No. 06119

ROUTE F.A.P. 335 (Il. Route 60) DESCRIPTION Illinois Route 60 Bridge Widening and Reconstruction over I-94
SECTION 119R-2 LOCATION T43N R11E 01NW-T43N R11E 02NE, Vernon Township
COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Auto Hammer

STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86
BORING NO. B-20
Station: 442+00
Offset: 10' Left
Ground Surface Elev. 708.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs. ___

| Description | Depth (ft) | Blows (/6") | UCS Qu (tsf) | Moist (%) |
|---|---|---|---|---|
| 8.0" CONCRETE,<br>4.0" CRUSHED STONE | | | | |
| | | 4 | | 117 |
| | | 4<br>5 | 5.3B | 16 |
| | | 3 | | 107 |
| CLAY-brown & gray-<br>very stiff to hard (A-6) Fill | -5 | 4<br>8 | 3.5B | 18 |
| | | 3 | | 117 |
| | | 5<br>7 | 6.4B | 16 |
| | | 3 | | 117 |
| | -10 | 5<br>7 | 3.5B | 16 |
| | | 2 | | |
| | | 4<br>7 | 5.75P | 16 |
| | | 5 | | 109 |
| | -15 | 7<br>10 | 4.0B | 20 |
| | | 5 | | 123 |
| | | 6<br>11 | 5.4B | 13 |
| Auger refusal @ -20.0', unknown obstruction. | | | | |
| End Of Boring @ -20.0'<br>Hollow Stem Augers<br>CME-55 Automatic Hammer | | 10 | | |
| | -20 | 9<br>50/3" | 2.75P | 16 |
| | -25 | | | |
| | -30 | | | |
| | -35 | | | |
| | -40 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS RTE 60 OVER I-94

SOIL BORING LOGS
LOGS B-19 AND B-20

SCALE: NONE DRAWN BY: MPG
DATE: MAY 8, 2007 CHECKED BY: DMJ

T·Y·LIN INTERNATIONAL

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