STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

# SOIL BORING LOG

Page 1 of 2

Date 3/8/05

ROUTE FAI 80 DESCRIPTION P92-038-03 I-80 over Negro Creek, 1.75 m. E. of IL 89 LOGGED BY W. Garza

SECTION 06-7B-1R&06-7VB LOCATION Hall Twp. - 17 NW, SEC. , TWP. 16N, RNG. 11E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station 1758+70

BORING NO. B-1b
Station 1759+00
Offset 15.00ft Lt CL Med
Ground Surface Elev. 604.5 ft

Surface Water Elev. 560.0 ft
Stream Bed Elev. 558.5 ft

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

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| Rock Breaker Run and RR ballast | | | | | |
| | 602.00 | | | | |
| Rock | | | | | |
| | 600.00 | | | | |
| | | -5 | | | |
| LOOSE gray dirty SAND & GRAVEL | | | 5 3 2 | | |
| | 598.00 | | | | |
| MEDIUM gray medium SAND | | | 6 7 7 | | |
| | 595.50 | | | | |
| | | -10 | | | |
| LOOSE/MEDIUM gray fine SAND | | | 3 4 6 | | |
| | 593.00 | | | | |
| MEDIUM gray clean medium coarse SAND | | | 3 6 8 | | |
| | 590.50 | | | | |
| | | -15 | | | |
| Wash MEDIUM gray SAND & GRAVEL | | | 9 10 15 | | |
| | 588.00 | | | | |
| Wash DENSE gray fine SAND | | | 17 18 23 | | |
| | 585.00 | | | | |
| | | -20 | | | |
| VERY STIFF gray SILT | | | 5 6 8 | 2.7 B | 23 |
| | 583.00 | | | | |
| Wash HARD gray SILTY CLAY TILL | | | 5 7 12 | 5.0 B | 13 |
| | 580.50 | | | | |
| | | -25 | | | |
| Wash HARD gray SILTY CLAY TILL | | | 7 11 17 | 5.4 B | 12 |
| | 578.00 | | | | |
| HARD gray SILTY CLAY TILL | | | 9 9 15 | 5.7 S | 12 |
| | 575.50 | | | | |
| | | -30 | | | |
| Wash HARD gray SILTY CLAY TILL | | | 9 11 15 | 6.4 B | 12 |
| | 573.00 | | | | |
| HARD gray SILTY CLAY TILL with SILT lens | | | 8 12 19 | 7.4 B | 14 |
| | 570.00 | | | | |
| | | -35 | | | |
| DENSE gray SILTY CLAY TILL with gravel size fraction | | | 12 16 22 | | |
| | 568.00 | | | | |
| DENSE gray fine SAND | | | 10 14 17 | | |
| | 565.50 | | | | |
| | | -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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Surface Water Elev. 560.0 ft
Stream Bed Elev. 558.5 ft

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

| Description | Elev. | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) |
|---|---|---|---|---|---|
| DENSE gray fine SAND | | | 22 23 31 | | |
| | 563.00 | | | | |
| Wash VERY DENSE gray fine SAND | | | 16 20 29 | | |
| | 560.50 | | | | |
| | | -45 | | | |
| Wash VERY DENSE gray fine SAND | | | 6 16 38 | | |
| | 558.00 | | | | |
| End of Boring | | | | | |
| | | -50 | | | |
| | | -55 | | | |
| | | -60 | | | |

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 LOGS - 1
STRUCTURE NO. 006-0174 (EB)
STRUCTURE NO. 006-0175 (WB)

| | |
|---|---|
| DESIGNED | |
| CHECKED | |
| DRAWN | MAU |
| CHECKED | AD |

TYLIN INTERNATIONAL

| SHEET NO. 34 | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|---|
| 39 SHEETS | 80 | * | BUREAU | 39 | 32 |
| | | | CONTRACT NO. 66908 | | |
| | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* 06-17BR & BR-1,7VB-M, 6BR & 6, 7 RS-1 & I]