

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG

Page 1 of 4
Date 7/25/06

ROUTE Old US 50 DESCRIPTION Elm River LOGGED BY E. Sandschafer

SECTION 10B-1 LOCATION Sec 22 - NE 14, Sec 23 - NW 14, SEC., TWP. 3 N, R. 8 E, 3 PM

COUNTY Clay DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 013-0026
Station 1037+48

BORING NO. 1
Station 1038+08
Offset 6.00ft Lt
Ground Surface Elev. 443.52 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | BLOWS | WATER ELEV. (ft) | LOGGED BY |
|------------|--|-----------------|-------|------------------|-----------|
| 0 | 4 1/2" asphalt over 13 1/2" concrete pavement. | | | | |
| 0 | Medium, damp, gray marbled red, SILTY CLAY. | | | | |
| 2 | Very soft, very damp, gray, SANDY LOAM. | | | | |
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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 T208)

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COUNTY Clay DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

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Station 1037+48

BORING NO. 1
Station 1038+08
Offset 6.00ft Lt
Ground Surface Elev. 443.52 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | BLOWS | WATER ELEV. (ft) | LOGGED BY |
|------------|---|-----------------|-------|------------------|-----------|
| 0 | Very stiff, damp, gray, CLAY TILL (continued) | | | | |
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SECTION 10B-1 LOCATION Sec 22 - NE 14, Sec 23 - NW 14, SEC., TWP. 3 N, R. 8 E, 3 PM

COUNTY Clay DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 013-0026
Station 1037+48

BORING NO. 1
Station 1038+08
Offset 6.00ft Lt
Ground Surface Elev. 443.52 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | BLOWS | WATER ELEV. (ft) | LOGGED BY |
|------------|--|-----------------|-------|------------------|-----------|
| 0 | Soft, very damp, gray, SANDY LOAM w/ many wood chunks. (continued) | | | | |
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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 T208)

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ROCK BORING LOG

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Date 7/25/06

ROUTE Old US 50 DESCRIPTION Elm River LOGGED BY E. Sandschafer

SECTION 10B-1 LOCATION Sec 22 - NE 14, Sec 23 - NW 14, SEC., TWP. 3 N, R. 8 E, 3 PM

COUNTY Clay CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 013-0026
Station 1037+48

BORING NO. 1
Station 1038+08
Offset 6.00ft Lt
Ground Surface Elev. 443.52 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | BLOWS | WATER ELEV. (ft) | LOGGED BY |
|------------|---|-----------------|-------|------------------|-----------|
| 0 | Soft, gray, SANDSTONE. Average 1 1/2" layers throughout sample. | | | | |
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Depth 96.0' to 96.4' = Qu on rock core 214 tsf.
Extent of exploration.

Benchmark: BM 200, RR spike in PP #6, SE of existing structure = 441.04', provided by Program Development.

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)

SOIL BORING LOGS
STRUCTURE NO. 013-0040

| | | | | | |
|---|-------------|---------|--------------------|--------------|-----------|
| SHEET NO. 21 | S.B.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 22 SHEETS | 12 | 10B-1 | CLAY | 39 | 33 |
| | | | CONTRACT NO. 74004 | | |
| FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT | | | | | |