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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 11/29/99

ROUTE FAJ-80 DESCRIPTION Sign Truss 280500000.077.0 LOGGED BY K.W.

SECTION 180-21HBR & 17XIN & TS-1 LOCATION SEC. TWP., R10G.

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE automatic

STRUCT. NO. 380500000.077.0
Station 674+70

BORING NO.1 Little Vermilion River Boring, East Abut.
Station 674+72
Offset 8.00ft Lt.
Ground Surface Elev. 591.00 ft (ft) (ft) (%)

| SOIL DESCRIPTION | DEPTH (ft) | BL (ft) | SL (ft) | UCS (psi) | UCS (psi) | UCS (psi) | UCS (psi) |
|---|------------|---------|---------|-----------|-----------|-----------|-----------|
| Surface Water Elev. | | | | | | | |
| Stream Bed Elev. | | | | | | | |
| Groundwater Elev.: | | | | | | | |
| First Encounter | | | | | | | |
| Upon Completion | | | | | | | |
| After | | | | | | | |
| Very Stiff Brown Silty Clay Loam (FILL) (continued) | 3 | | | | | | |
| | 4 | 3.1 | 20.0 | | | | |
| | 6 | S | | | | | |
| Very Stiff Brown Silty Clay Loam (FILL) | 5 | 2.7 | 20.0 | | | | |
| Very Stiff Black & Gray Weathered Shale (FILL) | 6 | | | | | | |
| | 4 | | | | | | |
| | 5 | 3.0 | 18.0 | | | | |
| | 6 | P | | | | | |
| Very Stiff Gray Shale with pieces of St. Peter Sandstone (FILL) | 3 | | | | | | |
| | 4 | | | | | | |
| | 3 | | | | | | |
| | 4 | 2.5 | 19.0 | | | | |
| | 6 | B | | | | | |
| | 3 | | | | | | |
| | 3 | 1.5 | 20.0 | | | | |
| | 5 | P | | | | | |
| | 3 | | | | | | |
| | 7 | 2.2 | 17.0 | | | | |
| | 8 | P | | | | | |
| Very Stiff Brown Silty Clay Loam (FILL) | 4 | | | | | | |
| | 6 | 3.5 | 21.0 | | | | |
| | 8 | S | | | | | |

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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Station 674+72
Offset 8.00ft Lt.
Ground Surface Elev. 591.00 ft (ft) (ft) (%)

| SOIL DESCRIPTION | DEPTH (ft) | BL (ft) | SL (ft) | UCS (psi) | UCS (psi) | UCS (psi) | UCS (psi) |
|--|------------|---------|---------|-----------|-----------|-----------|-----------|
| Surface Water Elev. | | | | | | | |
| Stream Bed Elev. | | | | | | | |
| Groundwater Elev.: | | | | | | | |
| First Encounter | | | | | | | |
| Upon Completion | | | | | | | |
| After | | | | | | | |
| Stiff Gray Weathered Shale & Silty Clay Till Mixed (FILL) (continued) | 6 | | | | | | |
| | 8 | 2.0 | 22.0 | | | | |
| | 14 | S | | | | | |
| Very Stiff Black and Gray Sandy Loam with pieces of Limestone & Sandstone with organics (FILL) | 6 | | | | | | |
| | 8 | | | | | | |
| | 12 | | | | | | |
| | 12 | 2.5 | 18.0 | | | | |
| | 14 | P | | | | | |
| Gray Sand & Gravel with Organics and water | 8 | | | | | | |
| | 14 | 2.0 | 18.0 | | | | |
| | 14 | P | | | | | |
| Dense Gray Shale | 8 | | | | | | |
| | 10 | | | | | | |
| | 10 | 2.2 | 12.0 | | | | |
| | 13 | P | | | | | |
| | 10 | | | | | | |
| | 10 | | | | | | |
| | 8 | | | | | | |
| | 17 | 1.6 | 14.0 | | | | |
| | 17 | S | | | | | |
| End of Boring | 8 | | | | | | |
| | 17 | | | | | | |
| Stiff Gray Weathered Shale & Silty Clay Till Mixed (FILL) | 6 | | | | | | |
| | 8 | | | | | | |

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)

10/29/2004 c:\projects\ed02994\bor_log.dgn

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
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| NAME | DATE | |
| | | BORING LOGS |
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