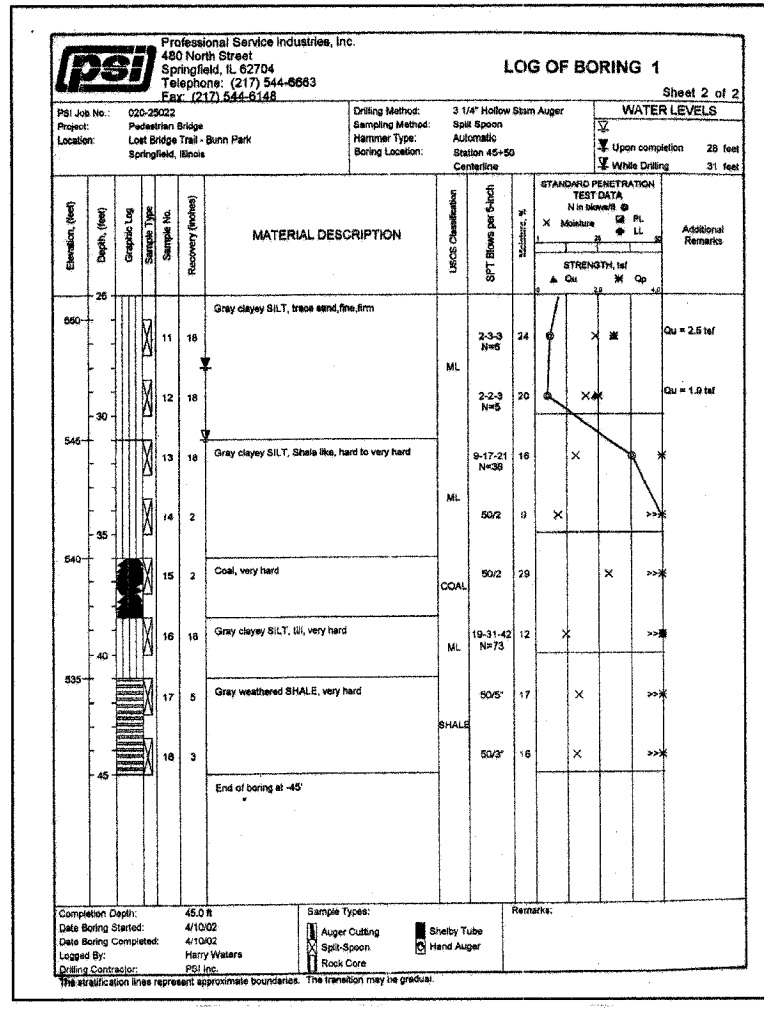
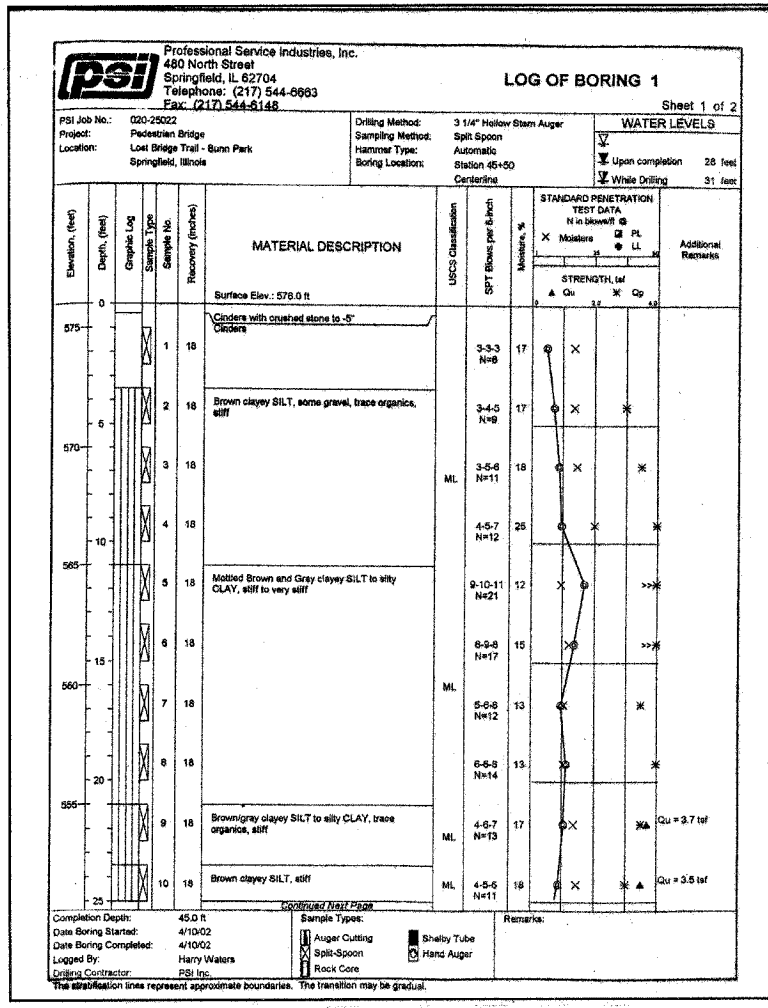


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|----------------------------|---------|----------|------------------|-----------|
| RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| BIKE TRAIL | **** | SANGAMON | 35 | 30 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |
| Bridge Sheet 4 of 4 Sheets | | | | |
| **** 99-P4001-00BT | | | | |
| TE-0006(070) | | | | |



GENERAL NOTES

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

SAMPLE IDENTIFICATION

SOIL PROPERTY SYMBOLS

- N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.
- Qu: Unconfined compressive strength, TSF.
- Cp: Penetrometer value, unconfined compressive strength, TSF.
- Mc: Water content, %.
- LL: Liquid limit, %.
- PI: Plasticity index, %.
- gd: Natural dry density, PCF.
- ▽: Apparent groundwater level at time noted after completion of boring.

DRILLING AND SAMPLING SYMBOLS

- SS: Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.
- ST: Shelby Tube - 3" O.D., except where noted.
- AU: Auger Sample.
- DB: Diamond Bit.
- CB: Carbide Bit.
- WS: Washed Sample.

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

| TERM (NON-COHESIVE SOILS) | STANDARD PENETRATION RESISTANCE |
|---------------------------|---------------------------------|
| Very Loose | 0-4 |
| Loose | 4-10 |
| Medium | 10-30 |
| Dense | 30-50 |
| Very Dense | Over 50 |

| TERM (COHESIVE SOILS) | Qu - (TSF) |
|-----------------------|-------------|
| Very Soft | 0 - 0.25 |
| Soft | 0.25 - 0.50 |
| Firm (Medium) | 0.50 - 1.00 |
| Stiff | 1.00 - 2.00 |
| Very Stiff | 2.00 - 4.00 |
| Hard | 4.00+ |

PARTICLE SIZE

| Particle Size | Soil Type | Range |
|---------------|-------------|-------------------------|
| Boulders | 8 in.+ | Coarse Sand 5mm-0.6mm |
| Cobbles | 8 in.-3 in. | Medium Sand 0.6mm-0.2mm |
| Gravel | 3 in.-5mm | Fine Sand 0.2mm-0.074mm |
| | | Silt 0.074mm-0.005mm |
| | | Clay <0.005mm |

PSI G-100-9 (2)

BORING 1

BORING 1

GENERAL NOTES

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOG
PREFABRICATED BRIDGE
SPRINGFIELD PARK DISTRICT
CITY OF SPRINGFIELD
BIKE TRAIL, SANGAMON COUNTY
BUNN SECTION 99-P4001-00-BT
STATION 45+05.00

SCALE: VERT. _____
HORIZ. _____
DATE: 04/22/02

DRAWN BY: BISHOP
DESIGNED BY: BRADFORD
CHECKED BY: MATHUR

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
99391BOR-10
PROJECT 99391
1/12/06-MML

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