

|                             |                               |                   |                    |                 |
|-----------------------------|-------------------------------|-------------------|--------------------|-----------------|
| ROUTE NO.<br>F.A.U.<br>8694 | SECTION<br>06-00045<br>-00-BR | CITY<br>FAIRFIELD | TOTAL SHEETS<br>15 | SHEET NO.<br>15 |
| FED. ROAD DIST. NO.         |                               | ILLINOIS          | FED. AID PROJECT   |                 |

FORM NO. B. D. 137 REV. 9-60

Sh. 1 of 1 Sh.

**BRIDGE FOUNDATION BORING LOG**

PROJECT WASHINGTON ST. BRIDGE POND CREEK BRANCH Date JANUARY 9, 1968  
 ROUTE CH 5 (DEL. R.C. BOX CULVERT) Bored By J. R. ZEHNER  
 SEC. 13CS (FAIRFIELD) STA. 2+21.5 Checked By J. J. KLAY  
 COUNTY WAYNE

Boring No. 1  
 Station 2+34  
 Offset E

|                               |              |           |       |
|-------------------------------|--------------|-----------|-------|
| Surface Water El.             | _____        | Elevation | _____ |
| Groundwater El. at Completion | <u>406.3</u> | N         | _____ |
| After ___ Hours               | <u>---</u>   | Qu t/s.f. | _____ |
|                               |              | w (%)     | _____ |

|  | Elevation | N  | Qu t/s.f. | w (%) | Surface Water El. | Elevation | N | Qu t/s.f. | w (%) |
|--|-----------|----|-----------|-------|-------------------|-----------|---|-----------|-------|
| Ground Surface   | 418.30    |    |           |       |                   |           |   |           |       |
| EXISTING ROADWAY AND SUBBASE                           | 416.3     |    |           |       |                   |           |   |           |       |
|  |           |    |           |       |                   | -25       |   |           |       |
| MEDIUM   |           | 12 | 0.7 S     | 18    |                   |           |   |           |       |
| DAMP TO VERY DAMP, BROWN MOTTLED GREY, CLAY LOAM       | -5        |    |           |       |                   |           |   |           |       |
| SOFT   |           | 7  | 0.3 B     | 21    |                   |           |   |           |       |
|  |           |    |           |       |                   | -30       |   |           |       |
| STIFF, BORDERING CLAY                                  |           | 11 | 1.8 S     | 20    |                   |           |   |           |       |
| 408.3  | -10       |    |           |       |                   |           |   |           |       |
| FREE WATER ENCOUNTERED AT ELEVATION 407.3              |           |    |           |       |                   |           |   |           |       |
|  |           | 9  | 1.4 B&S   | 20    |                   |           |   |           |       |
| STIFF, DAMP TO VERY DAMP, GREY MOTTLED BROWN, CLAY     |           |    |           |       |                   |           |   |           |       |
| BORDERING CLAY LOAM                                    |           | 13 | 1.5 B     | 16    |                   |           |   |           |       |
|  | -15       |    |           |       |                   |           |   |           |       |
| 402.3  |           |    |           |       |                   |           |   |           |       |
| BROWN MOTTLED GREY, HIGHLY WEATHERED                   |           | 17 |           | 20    |                   |           |   |           |       |
| MEDIUM TO DENSE, DAMP TO MOIST, GREY, WEATHERED, SHALE |           |    |           |       |                   |           |   |           |       |
| 398.8  |           | 43 |           | 13    |                   |           |   |           |       |
| EXTENT OF EXPLORATION                                  | -20       |    |           |       |                   |           |   |           |       |
|  |           |    |           |       |                   | -40       |   |           |       |
|  |           |    |           |       |                   | -45       |   |           |       |

-Standard Penetration Test - blows per foot to drive 2" .D. Split Spoon Sampler 12" with 10# hammer falling 30".

Qu - Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight - %

Type failure:  
 B - Bulge Failure  
 S - Shear Failure  
 E - Estimated Value  
 P - Penetrometer

BORING

**HAMPTON, LENZINI & RENWICK, INC.**  
 CIVIL & STRUCTURAL ENGINEERS  
 LAND SURVEYORS

**HLR**

3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 (217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-97-0008-1 DATE: 03/20/07  
 DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.A.B.

**BORING LOG**  
 SECTION 06-00045-00-BR  
 CITY OF FAIRFIELD  
 F.A.U. 8694 / WASHINGTON STREET  
 STRUCTURE NO. 096-6011 / STATION 3+34