| CONTRACT NO. 98963 | F.A.I. | SECTION | COUNTY | TOTAL | SHEET | No. 57/64 | (41-3)HBK | JEFFERSON | 1/2 | 2/5 | 3 | STA. | TO STA. | TO STA. FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION

Bridge Foundation Boring Log

|  | District Nine Materials |         |      |           |  |          |          | Boring  |        |   |
|--|-------------------------|---------|------|-----------|--|----------|----------|---------|--------|---|
| Sign Truss Soil Borings Ove  |                         |         |      |           |  |          |          | Sheet I |        |   |
| Route: FAI 57/64 St  | ructur                  | e Numbe | er:  |           |  |          | Date     |         | 1/20/2 |   |
| Section (41-3) HBK   | _                       |         |      |           |  |          |          | : Bryan |        | r |
| County: Jefferson  | Loca                    | tion:   |      |           |  | _ Checke | ed By    | Rob G   | raeff  |   |
|  |                         |         |      | · · · · · | Surf Wat Elev:   |          |          |         | 1      | 1 |
| Boring No 3-S  | <u>P</u>                | В       |      |           | Ground Water Elevation   |          | D        | В       |        |   |
| Station 702+50   | Ę                       | L       |      |           | when Drilling  |          | E<br>P   | L       |        |   |
| Offset 3' Rt.  | P                       | O<br>W  | Qu   |           | At Completion  |          | T        | O<br>W  | Qu     |   |
| Ground Surface 98.0 Ft   |                         | VV      | tsf  | W%        | At: Hrs:   |          | н        | VV      | tsf    | W |
|  | 4                       |         |      |           | 11.5.  |          | <u> </u> |         |        | 1 |
| Very stiff, very moist, brown,<br>Silty Clay A-6   |                         |         |      |           |  |          |          |         |        |   |
| Silty Clay A-0   |                         |         |      |           |  | _        |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| -  |                         | 2       | -    |           |  |          |          |         |        |   |
|  |                         | 6       | 2.98 | 22        |  |          |          |         |        |   |
| -  |                         | 9       |      |           |  | _        |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| 93.5   |                         |         |      |           |  |          |          |         |        |   |
| Stiff, moist, brown, Silty   | 5.0                     |         |      |           |  |          | 30.0     |         |        |   |
| Clay A-6 with some Gravel  |                         | 7       | 1.88 | 17        |  |          |          |         |        |   |
| _  |                         | 7       |      |           |  |          |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| 91.0   |                         | 100,000 |      |           |  |          |          |         |        |   |
| Hard, dry, brown, Sandstone  |                         | 100/3"  |      |           |  |          |          |         |        |   |
| -  |                         |         |      |           |  |          |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| -  |                         |         |      |           |  |          |          |         |        |   |
|  | 10.0                    |         |      |           |  |          | 35.0     |         |        |   |
| -  | 10.0                    |         |      |           |  |          |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| -  |                         |         |      |           |  |          |          |         |        |   |
| _  |                         |         |      |           |  |          |          |         |        |   |
| Hard, dry, brown, Sandstone  |                         | 100/9"  |      |           |  |          |          |         |        |   |
| <u>-</u>   |                         |         |      |           |  |          |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| -  |                         |         |      |           |  | _        |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| -  | 15.0                    |         |      |           |  | _        | 40.0     |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
|  |                         |         |      |           |  | _        |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| Hard, dry, grey, Sandy   |                         | 100/7"  |      |           |  | _        |          |         |        |   |
| Clay Shale 80.0  |                         |         |      |           |  |          |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| Bottom of hole = 18.0 ft   |                         |         |      |           |  | ****     |          |         |        |   |
|  |                         |         |      |           |  |          |          |         |        |   |
| No free water observed.  | 20.0                    |         |      |           |  | _        | 45.0     |         |        |   |
| F)   |                         |         |      |           |  |          |          |         |        |   |
| Elevation referenced to CL   |                         |         |      |           |  | _        |          |         |        |   |
| Sta 702+50 NB. Assume Ele = 100.0 ft   |                         |         |      |           | [  |          |          |         |        |   |
| - 100.0 jt   |                         |         |      |           |  |          |          |         |        |   |
| To convert "N" values to "N60"   |                         |         |      |           |  |          |          |         |        |   |
| values multiply by 1.25.   |                         |         |      |           |  |          |          |         |        |   |
| The state of the s |                         |         |      |           |  |          |          |         |        |   |
| -  |                         |         |      |           |  | ****     |          |         |        |   |
|  | 25.0                    |         |      |           | and the second s |          | 50.0     |         |        |   |

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials

Bridge Foundation Boring Log Sheet 1 of 1

| ian Truss Soil Borings Ov                                       | ヘ                   |                  |           |    |  |   |                       |                  |           |     |  |  |
|---|---------------------|------------------|-----------|----|--|---|-----------------------|------------------|-----------|-----|--|--|
| Sign Truss Soil Borings Over FAI 57                             |                     |                  |           |    |  |   | Sheet 1 of 1          |                  |           |     |  |  |
| Route: FAI 57/64 St   | 4 Structure Number: |                  |           |    |  |   |                       | : 1              | 1/21/2    | 006 |  |  |
| Section (41-3) HBK  |                     |                  |           |    |  | Bore                                    | d By:                 | Bryan            | Keller    | -   |  |  |
| County: Jefferson   | Loca                | ation:_          |           |    |  | Checked                                 | i By                  | Rob Gr           | aeff      |     |  |  |
| Soring No 4-S Station 704+40 Offset 3' Lt. Ground Surface 98.9F | D<br>E<br>P<br>T    | B<br>L<br>O<br>W | Qu<br>tsf | w% | Surf Wat Elev: Ground Water Elevation when Drilling At Completion At: Hrs: |   | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W | Qu<br>tsf | W%  |  |  |
| Very stiff, moist, brown,<br>Silty Clay A-6                     |                     |                  |           |    |  |   | _                     |                  |           |     |  |  |
|   |                     | 6                |           |    | 1  |   |                       |                  |           |     |  |  |
|   |                     | 9                | 3.3B      | 17 |  |   | $\exists$             |                  |           |     |  |  |
|   |                     |                  |           |    |  |   | $\neg$                |                  |           |     |  |  |
| ,   |                     | 4                | 2.10      | •  |  | *************************************** |                       |                  |           |     |  |  |

| Very stiff, moist, brown mottled |      | 2      |      |    |
|----------------------------------|------|--------|------|----|
| grey, Silty Clay to Clay A7-6    |      | 5      | 3.5S | 18 |
| -                                |      | 8      |      |    |
|                                  |      |        |      |    |
| 89.9                             |      |        |      |    |
| Hard, moist, brown mottled       |      | 4      |      |    |
| grey, Silty Clay to Clay A7-6    | 10.0 | 9      | 4.5B | 17 |
| with some Gravel                 |      | 13     |      |    |
|                                  |      |        |      |    |
| 87.4                             |      |        |      |    |
| Hard, dry, brown, Sandstone      |      | 100/5" |      |    |
|                                  |      |        |      |    |
| _                                |      |        |      |    |

Hard, dry, brown, Sandston: 81.9 100/2" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL Sta 702+50 NB. Assume Ele = 100.0 ft

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

To convert "N" values to "N60" values multiply by 1.25.