| STA. | ТО | STA. | | · |
|---------------------|----------|------|-----|---------|
| FED. ROAD DIST. NO. | ILLINOIS | FED. | AID | PROJECT |

ILLINOIS DEPARTMENT OF TRANSPORTATION

Bridge Foundation

| Sign Truss Soil Borings Ove | | | | | | | | | Lof 1 | |
|---|--------------|-----------|-------|-------------|------------------------|----------|------------------------|---|--------|----|
| | ructur | e Numbe | er: | | | | Date | | 1/20/2 | |
| Section (41-3) HBK | _ | | | | | | _ | | Kelle | r |
| County: Jefferson | _ Loca | Location: | | | | | Checked By: Rob Graeff | | | |
| | р | В | | | Surf Wat Elev: | | D | В | | T |
| Boring No 3-S | - E | ĭ | | | Ground Water Elevation | | E | Ĺ | | |
| Station 702+50 | P | ō | | | when Drilling | | Р | 0 | 1 | |
| Offset 3' Rt. | ↓ ⊤ │ | w | Qu | | At Completion | | Т | W | Qu | |
| Fround Surface 98.0 Ft | Н | | tsf | W% | At: Hrs: | | Н | | tsf | W% |
| Very stiff, very moist, brown, | | | | | | | | | | |
| Silty Clay A-6 | | | | | | | | | | |
| | | | | | į | | | | | |
| - | | | | | | | | | | |
| | | 2 | | | 4 | | | | | |
| - | | 6 | 2.98 | 22 | | | | | | |
| | | 9 | | | | | | | | |
| 93.5 | | | | | | | | | | |
| Stiff, moist, brown, Silty | 5.0 | 3 | | | 1 | | 30.0 | - | | |
| Clay A-6 with some Gravel | <u></u> | 7 | 1.8\$ | 17 | 1 | **** | 30.0 | | | |
| olay / to that some stars. | | 7 | 1.50 | | | | | | | |
| - | | | | | 1 | ******* | | | | |
| 91.0 | | | | | | | | | | |
| Hard, dry, brown, Sandstone | | 100/3" | | |] | | | | | |
| _ | | | | | 1 | | | | | |
| | - | | | | <u>l</u> i | | | | | |
| <u>-</u> | | | | | | _ | | | | |
| | | | | | | | | | | |
| - | 10.0 | | | | | | 35.0 | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | - | | |
| Llord dry brown Candotone | | 100/9" | | ····· | 4 | | | | | |
| Hard, dry, brown, Sandstone | | 100/9 | | | 4] | | | | | |
| - | | | | | | **** | | | | |
| | | | | | 1 | | | | | |
| - | | | | | | _ | | | | |
| | 15.0 | | | | | | 40.0 | | | |
| - | | | | | | - | | | | |
| | | | | | | | | | | |
| · | | | | | | | | | | |
| _ | | | | | | | | | | |
| Hard, dry, grey, Sandy | | 100/7" | | |][| | | | | |
| Clay Shale 80.0 | | | | | li . | - | | | | |
| | | | | | 4 | | - | | | |
| Bottom of hole = 18.0 ft | | | | | | | | | | |
| N. 6 | | | | | | | 45.5 | | | |
| No free water observed. | 20.0 | | | | | <u>-</u> | 45,0 | | | |
| Elevation referenced to CI | | | | | | | | | | |
| Elevation referenced to CL Sta 702+50 NB. Assume Ele | | | | | | | | | | |
| = 100.0 ft | • | | | | | | | | | |
| | | | | | | - | | | | |
| To convert "N" values to "N60" | | | | | | | | | | |
| | | | | | | | | | | |
| values multiply by 1.25. | | | | | | _ | | | | |

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

| Secretion (41-3) HEK Sored By: Bryan Keller Checked By: Rob Graeff | Route: FAI 57/64 St | ructui | ce Numbe | er: | | Date: 11/21/2006 | | | | | |
|--|--|-------------|--------------|--------------|----|--|---|----------------|----|--|--|
| Conting No 4-5 | Section (41-3) HBK | | | - | | | Bored By: Bryan Keller | | | | |
| Description | | Loca | ation: | | | | | | | | |
| Silty Clay A-8 | Boring No 4-S Station 704+40 Offset 3' Lt. | E P T | L O | | W% | Ground Water Elevation when Drilling At Completion | E P T | L O W Qu | w% | | |
| Silty Clay A-8 | Very stiff, moist, brown, | | | | | | | | | | |
| 15.0 | Silty Clay A-6 | |] | | | | | | | | |
| 15.0 | | | | | | <u> </u> | | | | | |
| 9 | - | | | | | | | | | | |
| 4 30.0 5.0 5 2.1S 19 30.0 7 7 7 7 7 7 7 7 7 | | | 1 | 3.3B | 17 | | | | | | |
| Solid Soli | - | | 9 | | | + | | | | | |
| Solid Soli | | | İ | | | | | | | | |
| 7 | - | | 4 | | | 1 | | | | | |
| Section Sect | _ | 5.0 | | 2.18 | 19 | | 30.0 | | | | |
| Very stiff, moist, brown mottled grey, Silty Clay to Clay A7-6 5 3.5S 18 8 8 99.9 | | | 7 | | | 4 | | | | | |
| Very stiff, moist, brown mottled grey, Silty Clay to Clay A7-6 5 3.5S 18 8 8 99.9 | 00.4 | | } | | | | | | | | |
| Silty Clay to Clay A7-6 | | | | | | 1 | | | | | |
| 8 89.9 Hard, moist, brown mottled 4 4 4 grey, Silty Clay to Clay A7-6 with some Gravel 13 87.4 Hard, dry, brown, Sandstone 15.0 15.0 Hard, dry, brown, Sandstone 100/5" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | | | | 3.58 | 18 | 1 | | | | | |
| Hard, moist, brown mottled grey, Silty Clay to Clay A7-6 10.0 9 4.5B 17 35.0 with some Gravel 13.0 9 4.5B 17 13 | g. 1,, 2, 1.2, 1.2 1.2, 1.1 1. | | 1 | | | | | | | | |
| Hard, moist, brown mottled grey, Silty Clay to Clay A7-6 10.0 9 4.5B 17 35.0 with some Gravel 13.0 9 4.5B 17 13 | _ | | | | | | | | | | |
| grey, Sithy Clay to Clay A7-6 10.0 9 4.5B 17 35.0 with some Gravel 13 35.0 with some Gravel 13 35.0 with some Gravel 100/5" | | | | | | | | | | | |
| ### ### ### ### ### ### ### ### ### ## | | 10.0 | | 4.5B | 17 | • | 35.0 | | | | |
| ### ### ############################## | | 10.0 | | 4.50 | 11 | | | | | | |
| Hard, dry, brown, Sandstone | | | | | | | | | | | |
| 15.0 | 87.4 | | | | | | | | | | |
| Hard, dry, brown, Sandston: 81.9 100/2" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | Hard, dry, brown, Sandstone | | 100/5" | | | 1 | | | | | |
| Hard, dry, brown, Sandston: 81.9 100/2" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | | | ł | | | | | | | | |
| Hard, dry, brown, Sandston: 81.9 100/2" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | - | | | | | | - | | | | |
| Hard, dry, brown, Sandston: 81.9 100/2" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | | | 1 | | | | | | | | |
| Hard, dry, brown, Sandston: 81.9 100/2" Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | - | | 1 | | | | | | | | |
| Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | _ | 15.0 |] | | | | 40.0 | | | | |
| Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | | | | | | | _ | | | | |
| Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | - | | 1 | | | | | | | | |
| Bottom of hole = 17.0 ft No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | Hard dry brown Sandston, 81.9 | | 100/2" | | · | | | | | | |
| No free water observed. Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | raid, dry, bronn, odridator | | 100/2 | | | | | | | | |
| Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | Bottom of hole = 17.0 ft | | | | | 4 | | | | | |
| Elevation referenced to CL 20.0 Sta 702+50 NB. Assume Ele = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | | - | 1 | | | | | | | | |
| Sta 702+50 NB. Assume Ele = 100.0 ft | No tree water observed. | | 1 | | | | | | | | |
| Sta 702+50 NB. Assume Ele = 100.0 ft | Elevation referenced to CI | 20.0 | 1 | | | | 45.0 | | | | |
| = 100.0 ft To convert "N" values to "N60" values multiply by 1.25. | Sta 702+50 NB. Assume Ele | | 1 | | | | | | | | |
| values multiply by 1.25. | = 100.0 ft | |] | | | | | | | | |
| values multiply by 1.25. | | | | | | | | | | | |
| | | | 1 | | | | | | | | |
| | values multiply by 1.25. | | 1 | | | | | | | | |
| | - | | 1 | | | | *************************************** | | | | |
| | | | 1 | | | | | | | | |
| | • | |] | | | | | | | | |

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