ILLINOIS DEPARTMENT OF TRANSPORTATION

District Nine Materials

Bridge Foundation Boring Log Sheet 1 of 2

| FAP (IL 141) Over Bear | Creek | | | | | | Sheet 1 | Lo£ 2 | |
|--|-----------------------|-----------------------|-----------|--------|--|-------------------------|-----------|-----------|-------------|
| Route: <u>FAP 877 (IL 141</u> St | ructur | e Numbe | er: 097 | -0027 | | Date | : | 6/28/20 | 1.0 |
| Section 101,B | _ | | | | Воз | red By: | R Mob | erly | |
| County: White | _ Loca | tion: 0 | .9 mil | e East | Jct. US 45 Check | ed By: | R Gra | eff | |
| ### Boring No 1-S Station 49+82 Offset 8' Rt CL Ground Surface 382.0 Ft | D E P T H | B L O W S | Qu tsf | W% | Surf Wat Elev: 358.1 Ground Water Elevation when Drilling 345.1 At Completion At: Hrs: | - D E P T H | B L O W S | Qu tsf | W% |
| Asphalt and Concrete over | | | | | Very stiff, moist, brown mottled | | 7 | 2.35 | 20 |
| crushed aggregate | | | | | grey, Silty Clay Loam to Silt Loam A-4 | | . 8 | | |
| Stiff to very stiff, moist, brown, | | | | | 355.0 | | | | |
| Silty Clay to Clay A7-6 | | 1 2 | 2.1B | 16 | Medium, very moist, grey mottled | | 2 | 0.00 | |
| - | | 3 | 2.10 | 10 | brown, Silty Clay Loam A-6 | | 3 | 0.8\$ | 20 |
| _ | | | | | 1 | - | | | |
| _ | | | | | . 352.5 | | | | |
| - | 5.0 | | | | Soft, very moist, brown mottled | 30.0 | 1 | | |
| | | 2 4 | 1.8B | 16 | grey, Silty Clay A7-6 | | 2 2 | 0.4B | 31 |
| - | | | | | | | | | |
| - | | 1 | | | 350.0 Medium, very moist, grey, Clay | | WH | | |
| _ | | 4 | 3.3B | 16 | A7-6 | | WH | 0.7B | 23 |
| _ | | 5 | | |] | | 1 | | |
| - | | ļ | | | - | | | | |
| | 10.0 | 1 | | - | 4 | 35.0 | WH | | |
| - | 10.0 | 2 | 1.6B | 18 | | 00.0 | 1 | 0.9B | 24 |
| _ | | 4 | | | ₫. | | 2 | | |
| 370.0 | | | | | | | | | |
| Soft, very moist, brown, Silty Clay | | WH | | | ╣ . | | 1 | | |
| to Clay A7-6 | | 1 | 0.4B | 22 | 1 | | 1 | 0.8B | 32 |
| <u> </u> | | 2 | | | · | | 1 | 0.00 | |
| | - | | | | 1 | | Į | | - |
| Medium, very moist, brown, | 15.0 | 1 | | | - | 40.0 | 10.01 | _ | |
| Silty Clay to Clay A7-6 | 15.0 | 1 | 0.6B | 20 | ╣ ' | 40.0 | WH WH | 0.8B | 25 |
| ,,, | | 2 | | | <u> </u> | | 1 | 0.00 | |
| 365.0 | _ | | | | | - | | | |
| Medium, very moist, grey, Silty | | 1 | | | 1 | | i | | |
| Clay A-6 | | 1 | 0.8B | 31 | | |] | | |
| | | 3_ | | | 4 | - | | | |
| 362.5 | |] | | | 337.5 | | 1 | Washed | |
| Very soft, very moist, grey, Silty | 20.0 | WH | | | Very loose, wet, grey, Fine Silty | 45.0 | WH | wasiicu | |
| Clay Loam to Silt Loam A-6 | | WH | 0.2B | 30 | Sand (no recovery) | | WH | | |
| | | WH | | | 4 | | WH | | |
| 360.0 | | 1 | | | | | 1 | | |
| Stiff, moist, grey, Silt Loam A-4 | | WH | | | 1 | | 1 | | |
| <u> </u> | | 4 | 1.98 | 24 | | | | | |
| | | 5 | | | 4 | | 1 | | |
| 357.5 | | 1 | | | | | - | Washed | |
| | 25.0 | 3 | | | 1 | 50.0 | 7 | VVUSITEU | <u> </u> |

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

Sheet 2 of 2
ute: FAP 877 (IL 141)
Date: 6/28/2010

Route: &AP 877 (IL 141)
Section: 101,B
County: White

| County: White | | | | | | | | | |
|---|-----------|-----------------------|-----------|------------|---|-----------------------|-----------|-----------|------------|
| Boring No: 1-S Station: 49+82 Offset: 8' Rt CL Ground Surface: 382.0Ft | D E P T H | B L O W S | Qu tsf | W % | | D E P T H | B - O ≥ Ø | Qu tsf | W % |
| Very loose, wet, grey, Fine Silty Sand (no recovery) | | 13 13 | | | Hard, dry, grey, Clay Shale | | | | |
| _ | | | | | | | | | |
| - | | | | | | | | | |
| - | | | | | | | | | |
| Soft year majet groy Learn to | 55.0 | | | | | | 100/01 | | |
| Soft, very moist, grey, Loam to _ Silty Clay Loam A-4 | 55.0 | 2 | 0.3B | 24 | | 80.0 | 100/6" | | |
| - | | . 2 | | | | | | | |
| - | | | | | | | | | |
| - | | | | | | | | | |
| 322.5 | | | | | Hard, dry, grey, Clay Shale | | | | |
| Stiff, moist to very moist, grey, Clay to Silty Clay A7-6 | 60.0 | WH 1 | 1.1B | 29 | 297.0 | 85.0 | 100/4" | | |
| Clay to Silty Clay A7-6 | | 1 | 1.10 | . 28 | Bottom of hole = 84.8 feet | | | | |
| - | | | | | Free water observed at 37.0 feet | | | | |
| _ | | | | | Elevation referenced to BM @ | . — | | | |
| · | | | | | SW comer; Elev. = 382.7 feet | | | | |
| 317.5 Stiff to very stiff, moist, grey, Clay | 65.0 | 4 | | | To convert "N" values to "N60" multiply by 1.25 | 90.0 | | | |
| A7-6 | | 8 12 | 2.1B | 20 | Borehold Advanced with Hollow | | ļ | | |
| _ | | | | | Stem Augers (8" OD, 3.25" ID) | | į | | |
| - | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | 1 | | |
| | 70.0 | <u>3</u> 10 | 1.6B | 20 | | 95.0 |) | | |
| 310.5 | | 11 | | | | | 1 | | |
| Hard, dry, grey, Clay Shale | | | | | | |] | | |
| - | | | | | | | 1 | | |
| - | | | | | | | 1 | | |
| | 75.0 | 100/6" | | | | 100.0 | 0 | | |

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



| USER NAME = kah | | DESIGNED | - | SHL | 02/13 | REVISED | - |
|-------------------------|------------|----------|---|-----|-------|---------|---|
| ESCA PROJECT NO. 988.14 | | CHECKED | - | RDP | 02/13 | REVISED | - |
| | | DRAWN | - | DWH | 02/13 | REVISED | - |
| PLOT DATE = 7/3/2014 | 8:40:20 AM | CHECKED | - | SHL | 05/13 | REVISED | - |

| | F.A.P. | 05051011 | COUNTY | TOTAL | SHEE |
|---------------------------|--------|-----------------|----------------|--------|------|
| BORING LOGS | RTE. | SECTION | | SHEETS | NO. |
| STRUCTURE NO. 097-0027 | 877 | 100B-1 | WHITE | 54 | 40 |
| | | | CONTRACT | NO. 7 | 8231 |
| SHEET NO. 21 OF 22 SHEETS | | ILLINOIS FED. A | ID PROJECT AID | | |