



SOIL BORING LOG

PAGE 1 of 3
 DATE 11/9-10/2010
 LOGGED BY DR
 GSI JOB No. 09172

ROUTE FAP 349 (US 30) DESCRIPTION US 30 from west of IL 31 to east of Burlington Northern Railroad
 SECTION (10 & 11 VB) R-3 LOCATION Section 32, T. 38 N., R. 8 E., Aurora Township, 3rd P.M.
 COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. SN 045-0039 Surface Water Elev. n/a
 Station 12171+21.00 Stream Bed Elev. n/a
 BORING NO. SB-01 Groundwater Elevation:
 Station: 1268+07 First Encounter 631.5 ▼
 Offset: 22.0' Right Upon Completion n/a ▼
 Ground Surface Elev. 670.0 After _____ Hrs. _____ ▼

| DEPTH (ft) | BLOW COUNT (/6") | UCS (tsf) | MOIST (%) | Description | DEPTH (ft) | BLOW COUNT (/6") | UCS (tsf) | MOIST (%) | Description | |
|------------|------------------|-----------|-----------|--------------------------------------|------------|------------------|-----------|-----------|--|------------|
| | | | | | | | | | | DEPTH (ft) |
| 0 | | | | 5.0" ASPHALT, 7.0" CONCRETE | 0 | | | | 5.0" ASPHALT, 7.0" CONCRETE | |
| 9 | | | | SAND & GRAVEL—brown—dense (A-1) Fill | 10 | | | | SAND & GRAVEL—brown—medium dense to dense (A-1) Fill | |
| 11 | | | | | 18 | | | | | 18 |
| 13 | NP | 4 | | | 15 | NP | 5 | | | 15 |
| 4 | | | | | 13 | | | | | 13 |
| 7 | | | | 13 | | | | 13 | SANDY LOAM—dark gray—medium dense (A-2) Fill | |
| -5 | 7 | NP | 5 | -25 | 18 | NP | 10 | -25 | | |
| 20 | | | | 11 | | | | 11 | SAND & GRAVEL—brown—dense (A-1) Fill | |
| 29 | | | | 17 | | | | 17 | | |
| 34 | NP | 4 | | 13 | NP | 7 | | 13 | | |
| 6 | | | | 10 | | | | 10 | SAND & GRAVEL—brown—dense (A-1) Fill | |
| 11 | | | | 10 | | | | 10 | | |
| -10 | 14 | NP | 4 | -30 | 10 | NP | 10 | -30 | | |
| 5 | | | | 10 | | | | 10 | SAND & GRAVEL—brown—dense (A-1) Fill | |
| 10 | | | | 10 | | | | 10 | | |
| 10 | NP | 4 | | 10 | NP | 4 | | 10 | | |
| 4 | | | | 11 | | | | 11 | SAND & GRAVEL—brown—dense (A-1) Fill | |
| 15 | | | | 26 | | | | 26 | | |
| -15 | 10 | NP | 5 | -35 | 30 | NP | 4 | -35 | | |
| 10 | | | | | | | | | SAND & GRAVEL—brown—dense (A-1) Fill | |
| 13 | | | | | | | | | | |
| 10 | NP | 6 | | | | | | | | |
| 12 | | | | 8 | | | | 8 | Silty SAND & GRAVEL—brown & gray—dense (A-2) Fill | |
| 17 | | | | 9 | | | | 9 | | |
| 17 | NP | 6 | | -40 | 6 | 0.75P | 39 | -40 | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B—Bulge, S—Shear, P—Penetrometer) ST—Shelby Tube Sample VS—Vane Shear Test
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
 NR—No Recovery



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|------------|------------------|-----------|-----------|--|------------|------------------|-----------|-----------|--|------------|
| | | | | | | | | | | DEPTH (ft) |
| 0 | | | | ORGANIC CLAY—dark gray to black medium stiff (A-7) Wet - 4% Organics | 0 | | | | ORGANIC CLAY—dark gray to black medium stiff (A-7) Wet - 4% Organics | |
| 11 | | | | Silty SAND & GRAVEL—brown & gray—very dense (A-2) | 11 | | | | Silty SAND & GRAVEL—brown & gray—very dense (A-2) | |
| 9 | | | | | 9 | | | | | 9 |
| -45 | 9 | - | 9 | | -45 | 9 | - | 9 | | -45 |
| 7 | | | | | 7 | | | | | 7 |
| 8 | | | | 10 | | | | 10 | Silty CLAY—gray—stiff (A-6) | |
| -50 | 50/5" | NP | 9 | -50 | 50/5" | NP | 9 | -50 | | |
| 5 | | | | 5 | | | | 5 | | |
| 10 | | | | 10 | | | | 10 | Silty SAND & GRAVEL—brown & gray—very dense (A-2) | |
| 10 | NP | 4 | | 10 | NP | 4 | | 10 | | |
| 4 | | | | 11 | | | | 11 | | |
| 15 | | | | 26 | | | | 26 | Silty SAND & GRAVEL—brown & gray—very dense (A-2) | |
| -15 | 10 | NP | 5 | -35 | 30 | NP | 4 | -35 | | |
| 10 | | | | | | | | | | |
| 13 | | | | | | | | | Silty SAND & GRAVEL—brown & gray—very dense (A-2) | |
| 10 | NP | 6 | | | | | | | | |
| 12 | | | | 8 | | | | 8 | | |
| 17 | | | | 9 | | | | 9 | Silty SAND & GRAVEL—brown & gray—very dense (A-2) | |
| 17 | NP | 6 | | -40 | 6 | 0.75P | 39 | -40 | | |
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| | | |
|----------------------------|-----------------------------|-----------|
| USER NAME = | DESIGNED - J.J.G. 6/15/2012 | REVISED - |
| CHECKED - J.A.Z. 6/15/2012 | REVISED - | |
| PLOT SCALE = | DRAWN - D.L.G. 6/15/2012 | REVISED - |
| PLOT DATE = | CHECKED - E.E.J. 6/15/2012 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG, SB-1
 STRUCTURE NO. 045-0039

| | | | | |
|--------------------|-----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 349 | (10 & 11VB) R-3 | KANE | 507 | 308 |
| CONTRACT NO. 60133 | | | | |

SHEET NO. S87 OF 116 SHEETS

ILLINOIS FED. AID PROJECT