

Geo Services Inc. Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 251-2838

SOIL BORING LOG

PAGE 2 of 3
DATE 10/3/2012
LOGGED BY MD
GSI JOB No. 08032

ROUTE F.A. 361 DESCRIPTION Stearns Road (IL Route 25) From Dunham Road To CC&P RR
SECTION 98-00214-02-BR LOCATION SEC. 1-SW 1/4, TWP. 40 N., RNG. 8 E., 3rd P.M.
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-3168
Station -
BORING NO. UP-06
Station: 200+44 UPRR
Offset: 123.7' Right
Ground Surface Elev. 732.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 10.0' ▼
Upon Completion n/a ▼
After Hrs. ▼

| DEPTH (ft) | BLOW S Qu | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOW S Qu | UCS (tsf) | MOIST (%) |
|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| -45 | | | | -65 | | | |
| -50 | | | | -70 | 45 | NP | 15 |
| -55 | | | | -75 | | NP | 13 |
| -60 | | | | -80 | | NP | 16 |

| | | | | | | | |
|-----------------------|--|--|--|---|--|--|--|
| Blind Drill To -68.5' | | | | | | | |
| | | | | CLAYEY SAND with Gravel-gray-very dense (A-2) | | | |
| | | | | 663.7 | | | |
| | | | | 29 | | | |
| | | | | 38 | | | |
| | | | | -70 45 NP 15 | | | |
| | | | | | | | |
| | | | | 43 | | | |
| | | | | 50/5 | | | |
| | | | | -75 NP 13 | | | |
| | | | | | | | |
| | | | | 38 | | | |
| | | | | 50/3 | | | |
| | | | | -80 NP 16 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator) 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) | BLOW S Qu | UCS (tsf) | MOIST (%) | DEPTH (ft) | BLOW S Qu | UCS (tsf) | MOIST (%) |
|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| -85 | | | | -105 | | | |
| -90 | | | | -110 | 50/1 | NP | 6 |
| -95 | | | | -115 | | | |
| -100 | | | | -120 | | | |

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| CLAYEY SAND with Gravel-gray-very dense (A-2) | | | | CLAYEY COBBLES, BOULDERS & FRACTURED ROCK-very dense (A-2) 631.2 | | | |
| 649.2 | | | | End Of Boring @ -101.0' | | | |
| | | | | Hollow Stem Augers To -10.0' | | | |
| | | | | Rotary Drilling To Completion | | | |
| | | | | 10.0' Of 4.0" Casing Used | | | |
| | | | | CME Automatic Hammer | | | |
| | | | | | | | |
| | | | | 30/0 | | | |
| | | | | -85 NR | | | |
| | | | | | | | |
| | | | | 40 | | | |
| | | | | 22 | | | |
| | | | | -90 50/1 NP 6 | | | |
| | | | | | | | |
| | | | | 640.2 | | | |
| | | | | | | | |
| | | | | 44 | | | |
| | | | | 30 | | | |
| | | | | -95 50/2 - 8 | | | |
| | | | | | | | |
| | | | | 48 | | | |
| | | | | 50/3 | | | |
| | | | | -100 | | | |

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