

SOIL BORINGS

SN 6C084I055L096.4

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Date 10-14-2010

Illinois Department of Transportation
SOIL BORING LOG

ROUTE FAI 55 DESCRIPTION Overhead Sign Structure LOGGED BY BJS
 SECTION D6 Overhead Sign Repl LOCATION SB I-55 Exit 96A (IL 29)
 COUNTY Sangamon STRUCTURE NO. 6C084I055L096.4 (Exist) (Prop.)
 BORING NO. 6C084I055L096.4 DRILLING METHOD HSA HAMMER TYPE 140 lb Automatic

Station 273+87
 Offset 16 ft RT of EOP
 Ground Surface Elev. 591.12 (ft.)

| SOIL DESCRIPTION | DRILLING METHOD HSA | | | | | HAMMER TYPE 140 lb Automatic | | | | |
|--|---------------------|-------------|------------------|---------|-----------|------------------------------|-------------|------------------|---------|-----------|
| | DEPTH (ft.) | DEPTH (ft.) | BLOW COUNT (tsf) | UCS (%) | MOIST (%) | DEPTH (ft.) | DEPTH (ft.) | BLOW COUNT (tsf) | UCS (%) | MOIST (%) |
| Fill: Yellow Brown, Moist, Clay, Silty, Sandy | 2 | | | | | 14 | 2 | 2.23 B | 24.7 | |
| 587.62 | 4 | | | | | 16 | 4 | | | |
| | 8 | 3 | | | | 18 | 3 | 2.06 B | 25.7 | |
| | 9 | | 3.95 S | 16.8 | | 8 | | | | |
| Fill: Moist | 5 | | | | | 6 | | | | |
| 581.62 | 6 | 7 | 3.22 B | 21.3 | | 20 | 2 | | | |
| | 7 | | | | | 3 | 3 | 2.53 B | 22.4 | |
| Fill: Mottled Brown and Gray, Trace Sand, with Seam of Clay, Silty | 8 | 4 | 1.84 B | 25.2 | | 22 | | | | |
| 581.62 | 10 | 2 | | | | 24 | 4 | 3.12 S | 21.0 | |
| | 4 | | 2.52 B | 23.1 | | 3 | | | | |
| | 5 | | | | | 8 | | | | |
| 579.12 | 12 | | | | | 26 | 12 | 2.26 | 14.7 | |
| | 2 | | | | | 3 | | | | |
| | 3 | | 1.98 B | 21.4 | | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The Standard Penetration Test (SPT) N Value is per (AASHTO T206) BBS 137 (9/05)

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|--|---------------------|-------------|------------------|---------|-----------|------------------------------|-------------|------------------|---------|-----------|
| | DEPTH (ft.) | DEPTH (ft.) | BLOW COUNT (tsf) | UCS (%) | MOIST (%) | DEPTH (ft.) | DEPTH (ft.) | BLOW COUNT (tsf) | UCS (%) | MOIST (%) |
| Yellow Brown mottled Light Gray and Reddish Brown, Moist, Clay Loam, Trace Gravel, with Silty Loam Seams | 3 | | | | | 10 | 7.08 | 15.4 | | |
| 581.62 | 10 | | | | | 30 | | | | |
| | 38 | | | | | 55 | | 11.4 | | |
| | 55 | | | | | 32 | | | | |
| Brownish Gray mottled Gray, Dry, Silty Loam, with Silt Seams, Trace Sand | 32 | | | | | 15 | | | | |
| 581.62 | 32 | | | | | 32 | | 9.0 | | |
| | 77 | | | | | 34 | | | | |
| Gray, with Silt Seams | 34 | | | | | 53 | | 8.1 | | |
| 585.92 | 53 | | | | | 36 | | | | |
| | 100/2 | | | | | 38 | | | | |
| End of Boring @ 35.2 Ft. | 38 | | | | | 40 | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The Standard Penetration Test (SPT) N Value is per (AASHTO T206) BBS 137 (9/05)

| | | | | | | | | | |
|---|----------------------|------------|-----------|---|-------------------------|--|--------------------------|---------------------------|-----------|
| FILE NAME = | USER NAME = kelleyjb | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SOIL BORING LOGS | F.A. RTE. SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| SA\Sign Truss Plan Details\46196\46196SignTruss.dgn | | DRAWN - | REVISED - | | | VAR 0-6_DYOSINSIBBE12-23 | SANGAMON | 33 | 31 |
| PLOT SCALE = 0.1000 ft / in. | | CHECKED - | REVISED - | | | CONTRACT NO. 46196 | | | |
| PLOT DATE = Sep-30-2011 10:41:00AM | | DATE - | REVISED - | | | SCALE: _____ SHEET NO. _____ OF _____ SHEETS | STA. _____ TO STA. _____ | ILLINOIS FED. AID PROJECT | |