# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94 | * | COOK | 556 | 3188 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

* (1818, ETC. 2324.6-1P)R-8 — 62300

Illinois Department of Transportation SOIL BORING LOG

Division of Highways
CHICAGO DRILLING COMPANY

Page 1 of 2

Date 6/3/05

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (7-91-415-01) LOGGED BY R.P.
(1919.15A, ETC.)
SECTION 2122-2S1FT.) R-3 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. _____
Station Sign Structures

BORING NO. STB-N1
Station 2161+45.35
Offset 5.36ft (NBDN)
Ground Surface Elev.=1.29 ft

| DEPTH | BLOWS | UCS | MOIST | DESCRIPTION | ELEV. | DEPTH | BLOWS | UCS | MOIST |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Surface Water Elev. ____ ft<br>Stream Bed Elev. ____ ft<br>Groundwater Elev.:<br>First Encounter ____ Dry ft<br>Upon Completion ____ ft<br>After ____ Hrs. ____ ft | | | | | |
| ft | N/6" | Ksf | (%) | | | ft | N-val | Ksf | (%) |
| | | | | Asphalt, 2" | +1.29 | | | | |
| | | | | Concrete, 8" | -0.13 | | | | |
| | | | | Sub Base, Gravel (FILL) | | | | | |
| | 8 | | | | | | 11 | | |
| | 3 | | | | | | 13 | 8.2 | 13.0 |
| | 5 | | | | -3.75 | | 16 | S | |
| | | | | Very Stiff<br>Gray<br>CLAY | | | | | |
| | 5 | | | | | | 9 | | |
| | 5 | 2.0 | 17.0 | | | | 11 | 8.2 | 13.0 |
| -5 | 5 | B | | | | | 13 | S | |
| | | | | | -26.29 | -25 | | | |
| | 4 | | | Hard / Very Dense<br>Gray<br>SILTY CLAY LOAM / SILTY<br>LOAM | | | 8 | | |
| | 4 | 2.1 | 16.2 | | | | 36 | 7.7 | 14.0 |
| | 6 | R | | | | | 50 | R | |
| | | | | Very Stiff to Hard<br>Gray<br>SILTY CLAY LOAM | -8.79 | | | | |
| | 3 | | | | | | 50/0 | | |
| | 6 | 2.3 | 18.0 | | | | - | | |
| -10 | 7 | B | | | | -30 | | | |
| | | | | Auger Refusal @ 30 foot | -31.29 | | | | |
| | | | | End of Boring | | | | | |
| | 4 | | | | | | | | |
| | 6 | 5.7 | 16.0 | | | | | | |
| | 11 | B | | | | | | | |
| | 5 | | | | | | | | |
| | 10 | 5.7 | 13.0 | | | | | | |
| -15 | 12 | B | | | | -35 | | | |
| | 6 | | | | | | | | |
| | 11 | 7.1 | 13.0 | | | | | | |
| | 12 | B | | | | | | | |
| | 7 | | | | | | | | |
| | 10 | 6.2 | 13.0 | | | | | | |
| -20 | 13 | S | | | | -40 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
GBS. from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG

Division of Highways
CHICAGO DRILLING COMPANY

Date 8/26/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01)
(2021-822FT 1,2 &
SECTION 2122-S2T)) R-4 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. _____
Station Sign Trusses

BORING NO. STR-20
Station 2461+64.52
Offset 62.83ft (NBDN)
Ground Surface Elev.=2.07 ft

| DEPTH | BLOWS | UCS | MOIST | DESCRIPTION | ELEV. | DEPTH | BLOWS | UCS | MOIST |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Surface Water Elev. ____ ft<br>Stream Bed Elev. ____ ft<br>Groundwater Elev.:<br>First Encounter Dry ft<br>Upon Completion ____ ft<br>After ____ Hrs. ____ ft | | | | | |
| ft | N/6" | Ksf | (%) | | | ft | N-val | Ksf | (%) |
| | | | | Asphalt, 5" | -2.49 | | | | |
| | | | | Crushed Stone | -3.07 | | | | |
| | | | | Sub Base<br>(FILL) | | | | | |
| | 4 | | | | | | | | |
| | 5 | 2.6 | 15.0 | | | | | | |
| | 6 | B | | | | | | | |
| | | | | Very Stiff to Hard<br>Gray<br>CLAY | | | | | |
| | 4 | | | | | | | | |
| | 5 | 2.2 | 17.0 | | | | | | |
| -5 | 6 | B | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | 2.2 | 16.0 | | | | | | |
| | 9 | B | | | | | | | |
| | 4 | | | | | | | | |
| | 6 | 4.4 | 16.0 | | | | | | |
| -10 | 10 | B | | | -12.07 | | | | |
| | | | | Hard<br>Gray<br>SILTY CLAY LOAM | | | | | |
| | 7 | | | | | | | | |
| | 11 | 7.6 | 12.0 | | | | | | |
| | 15 | B | | | -14.57 | | | | |
| | | | | Hard / Very Dense<br>Gray<br>SILTY CLAY LOAM / SILTY<br>LOAM | | | | | |
| | 8 | | | | | | | | |
| | 25 | 7.5 | 11.0 | | | | | | |
| -15 | 35 | B | | | | | | | |
| | 8 | | | | | | | | |
| | 13 | 5.6 | 13.0 | | | | | | |
| | 18 | D | | | | | | | |
| | 15 | | | | | | | | |
| | 14 | 6.2 | 14.0 | | | | | | |
| -20 | 20 | S | | | | | | | |
| | | | | Hard / Very Dense<br>Gray<br>SILTY CLAY LOAM / SILTY<br>LOAM (continued) | | | | | |
| | 12 | | | | | | | | |
| | 10 | 6.4 | 12.5 | | | | | | |
| | 15 | S | | | | | | | |
| | | | | | | | | | |
| | 15 | 6.0 | 12.0 | | | | | | |
| | 21 | S | | | | | | | |
| | 13 | | | | | | | | |
| | 19 | 7.8 | 13.0 | | | | | | |
| | 28 | S | | | | | | | |
| | 30 | | | | | | | | |
| | 50/0 | 9.5 | 12.0 | | | | | | |
| -30 | - | S | | | | | | | |
| | 28 | | | | | | | | |
| | 50/0 | | 9.0 | | | | | | |
| | - | | | | | | | | |
| | | | | End of Boring | -37.07 | -40 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
GBS. from 137 (Rev. 8-99)

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| REVISIONS | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
31st STREET TO 71st STREET (NB Express Lanes)

SOIL BORING LOGS FOR
SIGN STRUCTURE FOUNDATIONS

SCALE: NONE — DRAWN BY: JSS
DATE: JULY 7, 2005 — CHECKED BY: PJO

6/24/2005 2:34:58 PM

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