# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94 | 2021-922PT.1-AC | COOK | 460 | 255 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

62693

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## Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 2

Date 1/29/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
(2021-922 PT 1.2&2122-921
SECTION PT1)R-4 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. D16-W886
Station (Wall - R)

BORING NO. RER-7
Station 126+28.74
Offset -2.49ft (WW)
Ground Surface Elev. 18.74 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 8.7 ft
Upon Completion ft
After Hrs. ft

| DEPTH | BLOWS | UCS Qu | MOIST (%) |
|---|---|---|---|
| Asphalt, 3" 18.45 | | | |
| Concrete, 12" 17.49 | | | |
| Sub Base (FILL) 16.24 | 32 (50 / -) | | |
| Brown to Black Sand and Brick Chips (FILL) 13.74 | 9, 9 | | |
| Medium Dense Brown SAND, trace Gravel (Possible Back Fill) | 5, 7, 16 | | |
| Btm/Ftg El 11.00 | 12, 13, 14 | | |
| ▼10 | 5, 8, 11 | | |
| 5.24 | | | |
| Very Loose Gray, Moist SILTY LOAM 3.74 -15 | 4, 1, 2 | | 23.0 |
| Stiff to Very Stiff Gray CLAY | 5, 8, 11 | 2.6 B | 18.0 |
| -1.26 -20 | 4, 7, 9 | 1.8 B | 18.0 |

| DEPTH | BLOWS | UCS Qu | MOIST (%) |
|---|---|---|---|
| Stiff to Very Stiff Gray CLAY LOAM | 5, 7, 11 | 1.7 B | 16.0 |
| | 5, 7, 11 | 1.9 B | 17.0 |
| -25 | 6, 12, 17 | 3.8 B | 15.0 |
| | 16, 30, 38 | 2.5 B | 18.0 |
| -11.26 -30 | | | |
| Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM | 12, 19, 20 | 4.6 B | 13.0 |
| -35 | | | |
| -40 | 4, 13, 17 | 5.6 B | 13.0 |

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)
BBS, from 137 (Rev. 8-99)

## Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 2 of 2

Date 1/29/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
(2021-922 PT 1.2&2122-921
SECTION PT1)R-4 LOCATION Chicago, Illinois

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STRUCT. NO. D16-W886
Station (Wall - R)

BORING NO. RER-7
Station 126+28.74
Offset -2.49ft (WW)
Ground Surface Elev. 18.74 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 8.7 ft
Upon Completion ft
After Hrs. ft

| DEPTH | BLOWS | UCS Qu | MOIST (%) |
|---|---|---|---|
| Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued) | 9, 15, 17 | 5.7 B | 13.0 |
| -45 | | | |
| -31.26 -50 | 9, 15, 26 | 5.8 B | 12.0 |
| End of Boring | | | |
| -60 | | | |

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BBS, from 137 (Rev. 8-99)

## Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 2

Date 1/30/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
(2021-922 PT 1.2&2122-921
SECTION PT1)R-4 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. D16-W886
Station (Wall - R)

BORING NO. RER-8
Station 127+05.86
Offset -5.80ft (WW)
Ground Surface Elev. 18.74 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 8.7 ft
Upon Completion ft
After Hrs. ft

| DEPTH | BLOWS | UCS Qu | MOIST (%) |
|---|---|---|---|
| Asphalt, 3" 18.53 | | | |
| Concrete, 12" 17.49 | | | |
| Sub Base (FILL) 16.24 | 20, 13, 12 | | |
| Brown to Black Sand and Brick Chips (FILL) 13.74 | 5, 5, 7 | | |
| Medium Dense Gray SAND, trace Gravel (Possible Back Fill) | 6, 7, 10 | | |
| ▼10 | 7, 10, 12 | | |
| V. Moist | 10, 9, 10 | | |
| 6.24 | | | |
| Very Loose Gray, Moist SILTY LOAM | 1, 1, 2 | | 23.0 |
| 3.74 -15 | | | |
| Stiff Gray CLAY | 3, 7, 9 | 1.4 B | 18.0 |
| -1.26 -20 | 4, 7, 10 | 1.7 B | 17.0 |

| DEPTH | BLOWS | UCS Qu | MOIST (%) |
|---|---|---|---|
| Stiff to Hard Gray CLAY LOAM | 4, 7, 9 | 1.3 B | 19.0 |
| | 5, 7, 10 | 1.8 B | 17.0 |
| -25 | 8, 15, 17 | 4.4 B | 13.0 |
| | 8, 14, 17 | 5.4 B | 12.0 |
| -30 | | | |
| | 10, 13, 14 | 6.2 B | 14.0 |
| -35 | | | |
| | 10, 12, 16 | 3.5 B | 16.0 |
| -21.26 -40 | | | |

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BBS, from 137 (Rev. 8-99)

## Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 2 of 2

Date 1/30/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
(2021-922 PT 1.2&2122-921
SECTION PT1)R-4 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. D16-W886
Station (Wall - R)

BORING NO. RER-8
Station 127+05.88
Offset -5.80ft (WW)
Ground Surface Elev. 18.74 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 8.7 ft
Upon Completion ft
After Hrs. ft

| DEPTH | BLOWS | UCS Qu | MOIST (%) |
|---|---|---|---|
| Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM | 8, 8, 12 | 4.2 B | 13.0 |
| -45 | | | |
| | 8, 21, 30 | 6.3 S | 12.0 |
| -50 | | | |
| -36.26 -55 | 50 / - | 8.7 S | 8.0 |
| End of Boring | | | |
| -60 | | | |

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)
BBS, from 137 (Rev. 8-99)

Sheet R28 of 28


CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-5202. PHONE: (312) 938-0300


| REVISIONS | |
|---|---|
| NAME | DATE |
| | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
*SOIL BORING LOGS*
*SOUTH WENTWORTH AVENUE RETAINING WALL*
*WEST 59TH STREET TO WEST 63RD STREET*
*SECTION 2021-922 PT.1-AC*
*STATION 111+25.00 TO 126+89.58*
*COOK COUNTY S.N. 016-W886*

SCALE: None DRAWN BY: SR
DATE: October 29, 2004 CHECKED BY: JSS/MM

10/21/2004 04:41:46 PM