F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	247	126

STA. TO STA.

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

60A63 * (1919.15, 2021-922 PT1 & PT2) R-2

P:\P40468\Civil\NB-Cntrs i8 & i9\ShtCntr i9A\Signing\SSI9A0282A.sht

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, CHICAGO DRILLING COMPANY

Page 1 of 1 — Date 8/12/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.
SECTION (2021-922PT 1,2 & 2122-921PT1) R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. ____ Station Sign Trusses
BORING NO. STB-14 Station 1444+13.78 Offset -138.72ft (SBDR) Ground Surface Elev. 18.38 ft
Surface Water Elev. ____ ft; Stream Bed Elev. ____ ft
Groundwater Elev.: First Encounter 6.4 ft ▼; Upon Completion ____ ft; After ____ Hrs. ____ ft

Description	Elev. (ft)
Asphalt, 4"	18.05
Concrete, 10"	17.21
Sub Base (FILL)	15.68
Medium Dense to Very Loose Brown, medium to coarse SAND, trace gravel	3.38
Stiff to Very Stiff Gray CLAY	-1.62
Very Stiff to Hard Gray SILTY CLAY LOAM	-6.62
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	-16.62
End of Boring	

Blows (/6")	UCS Qu (tsf)	Moist (%)
8 / 9 / 20		
6 / 11 / 13		
6 / 8 / 10		
5 / 3 / 4		
4 / 1 / 2		
7 / 5 / 4		
5 / 9 / 11	1.9 B	19.0
7 / 10 / 15	2.2 B	18.0
7 / 18 / 16	3.6 B	17.0
8 / 10 / 15	4.3 B	15.0
10 / 18 / 26	5.6 S	11.0
10 / 17 / 21	7.5 S	13.0
12 / 19 / 25		10.0

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, CHICAGO DRILLING COMPANY

Page 1 of 1 — Date 8/21/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.
SECTION (2021-922PT 1,2 & 2122-921PT1) R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. ____ Station Sign Trusses
BORING NO. STB-15 Station 1444+13.45 Offset -53.73ft (SBDR) Ground Surface Elev. 3.01 ft
Groundwater Elev.: First Encounter Dry ft

Description	Elev. (ft)
Asphalt, 5"	2.59
Coarse Sand and Sub Base (FILL)	1.01
Stiff to Very Stiff Gray CLAY	-4.49
Very Stiff to Hard Gray SILTY CLAY LOAM	-16.99
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	-31.99
End of Boring	

Blows (/6")	UCS Qu (tsf)	Moist (%)
6 / 7 / 7		
4 / 6 / 8	1.6 B	17.0
3 / 4 / 7	2.7 B	17.0
4 / 6 / 10	3.8 B	14.0
16 / 11 / 24	5.2 B	13.0
6 / 14 / 21	7.2 S	11.0
6 / 11 / 18	6.0 S	12.0
8 / 11 / 15	7.0 S	13.0
9 / 15 / 18	4.4 S	15.0
7 / 14 / 16	4.2 S	17.0
9 / 11 / 12	5.6 S	12.0
6 / 9 / 11	5.3 S	12.0
20 / 35 / ¢50		11.0

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, AMERICAN GEOENGINEERING, INC.

Page 1 of 2 — Date 3/21/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.
SECTION (2021-922PT 1,2 & 2122-921PT1) R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W909 Station (Wall - F)
BORING NO. RWF-6 Station 538+75.50 Offset 27.89ft (WELL) Ground Surface Elev. 14.00 ft
Groundwater Elev.: First Encounter Dry ft

Description	Elev. (ft)
Concrete, 10"	13.17
Brown Sand and Sub-Base (FILL)	11.50
Loose to Medium Dense Brown, Medium SAND (Possible Back Fill)	1.50
Loose Gray SILTY LOAM	-3.50
Very Stiff Gray CLAY LOAM (continued)	-8.50
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	

Blows (/6")	UCS Qu (tsf)	Moist (%)
10 / 13 / 11		
7 / 9 / 10		
8 / 8 / 8		
8 / 5 / 3		
3 / 6 / 6		
2 / 2 / 2		22.0
1 / 2 / 4		21.0
5 / 6 / 8	2.3 B	17.0
4 / 5 / 8	2.3 B	14.0
3 / 7 / 8	4.3 B	14.0
5 / 7 / 10	4.7 B	12.0
7 / 10 / 14	3.9 B	13.0
4 / 6 / 9	4.7 B	15.0
5 / 6 / 9	4.7 B	13.0

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, AMERICAN GEOENGINEERING, INC.

Page 2 of 2 — Date 3/21/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.
SECTION (2021-922PT 1,2 & 2122-921PT1) R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W909 Station (Wall - F)
BORING NO. RWF-6 Station 538+75.50 Offset 27.89ft (WELL) Ground Surface Elev. 14.00 ft
Groundwater Elev.: First Encounter Dry ft

Description	Elev. (ft)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)	-41.00
End of Boring	

Blows (/6")	UCS Qu (tsf)	Moist (%)
6 / 9 / 13	5.1 B,S	13.0
15 / 26 / 31		11.0
15 / ¢50 / –		9.0

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, AMERICAN GEOENGINEERING, INC.

Page 1 of 1 — Date 4/20/05

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
SECTION (1919.15A, ETC. 2122-921PT.1) R-3 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. ____ Station Sign Structures
BORING NO. STB-49 Station 3453+03.11 Offset 14.79ft (SBLOC) Ground Surface Elev. -0.35 ft
Groundwater Elev.: First Encounter -4.4 ft ▼

Description	Elev. (ft)
Asphalt, 2"	-0.52
Concrete, 10"	-1.35
Sub Base, Sand and Gravel (FILL)	-5.35
Very Stiff Gray SILTY CLAY LOAM	-10.35
Very Stiff to Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)	-22.85
Medium Dense Gray SILT	-25.35
Medium Dense to Very Dense Gray SILTY LOAM	-35.35
End of Boring	

Blows (/6")	UCS Qu (tsf)	Moist (%)
18 / 22 / 24		
15 / 32 / 30		
6 / 9 / 13	2.8 B	18.0
7 / 9 / 15	3.3 B	18.0
8 / 9 / 13	3.8 S	13.0
10 / 12 / 17	7.8 B	13.0
6 / 19 / 13	9.4 B,S	13.0
9 / 12 / 18	8.3 B	13.0
6 / 6 / 10	5.3 S	12.0
9 / 7 / 10		20.0
8 / 11 / 18	5.9 S	13.0
9 / 14 / 17	7.2 S	13.0
21 / 31 / 35	¢4.5 P	10.0

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, CHICAGO DRILLING COMPANY

Page 1 of 1 — Date 8/22/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.
SECTION (2021-922PT 1,2 & 2122-921PT1) R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. ____ Station Sign Trusses
BORING NO. STB-22 Station 1468+09.10 Offset -63.75ft (SBDR) Ground Surface Elev. 2.45 ft
Groundwater Elev.: First Encounter -11.1 ft ▼

Description	Elev. (ft)
Asphalt, 4"	2.12
Very Stiff Gray CLAY	-7.55
Very Stiff Gray CLAY LOAM	-12.55
Very Stiff Gray SILTY CLAY LOAM	-17.55
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	
Possible Bed Rock @ 29'	-26.55
End of Boring	

Blows (/6")	UCS Qu (tsf)	Moist (%)
7 / 9 / 12	3.1 B	14.0
3 / 5 / 7	2.1 B	19.0
4 / 7 / 10	3.6 B	18.0
4 / 4 / 8	3.4 B	16.0
5 / 6 / 8	2.2 B	17.0
5 / 8 / 11	2.9 B	18.0
9 / 18 / 35	7.2 S	12.0
20 / 36 / 50	9.1 S	10.0
19 / 29 / ¢50	8.6 S	12.0
26 / 38 / 43	¢10 S	13.0
38 / ¢50 / –	¢10 S	12.0
¢50		10.0

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)

CTE | AECOM

OSS-28

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
63RD STREET TO GARFIELD BLVD (SB LOCAL LANES)

SOIL BORING LOGS FOR SIGN STRUCTURE FOUNDATIONS

SCALE: NONE DRAWN BY: JSS
DATE: June 9, 2006 CHECKED BY: MJP

6/2/2006 11:01:46 AM