F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	306
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	* (2021-922 PT2 ETC 2324.6-1P) R-11			

Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 4/8/05

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-52
Station 3475+93.62
Offset 10.84ft (SB LOC)
Ground Surface Elev. 0.63 ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Asphalt, 2" 0.46			
Concrete, 10" -0.37			
Sub Base, Gravel (FILL) -0.62			
Very Stiff to Hard Gray CLAY	6		
	7 4.3		16.0
	7 B		
	3		
	4 2.3		19.0
-4.37	6 B		
Very Stiff Gray SILTY CLAY LOAM	5		
	6 3.5		15.0
	7 B		
	5		
	7 3.4		10.0
-10	9 B		
-14.37 -15	5		
	6 3.5		17.0
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	9 B		
	5		
	8 2.8		13.0
	11 B		
	4		
	6 3.5		17.0
-20	9 B		
	5		
	12 6.1		12.0
	18 S		
	14		
	21 6.6		10.0
-30	28 S		

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountered Dry ft
Upon Completion ft
After Hrs. ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)	21		
	24 4.0		15.0
	34 B		
	26		
	50/0 5.8		16.0
-25	- S		
Auger Refusal @ 26.5 feet -25.87			
End of Boring			
-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)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 4/8/05

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-58
Station 3524+07.67
Offset 27.68ft (SB LOC)
Ground Surface Elev. 0.92 ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Asphalt, 2" 0.75			
Concrete, 10" -0.08			
Sub Base, Gravel (FILL)	10		
	8		
-1.58	12		
Very Stiff Gray SILTY CLAY LOAM	7		
	5 2.4		21.0
	7 B		
-4.08 -5			
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	9		
	11 6.6		13.0
	11 S		
	50/0		
Auger Refusal @ 10 feet -9.08 -10	-		
End of Boring			
-20			

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountered Dry ft
Upon Completion ft
After Hrs. ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

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Date 5/15/05

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-59
Station 3524+02.76
Offset 38.32ft (SB LOC)
Ground Surface Elev. 0.57 ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Asphalt, 13" -0.51			
Sub Base, Stone (FILL) -0.92			
Very Stiff to Hard Gray SILTY CLAY LOAM	19		
	7 5.4		17.0
	7 B		
	5		
	6 2.5		20.0
-5	7 B		
	3		
	6 3.5		17.0
	4 B		
-6.93			
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	11		
	31 9.3		10.0
-10	32 S		
	12		
	50/0 4.5		11.0
	- P		
	24		
	50/0		
-15	-		
	25		
	50/0		
	-		
	50/0		
	-		
-19.43 -20			
End of Boring			

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountered Dry ft
Upon Completion ft
After Hrs. ft

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 1 of 2

Date 3/27/03

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

STRUCT. NO. 016-W913
Station (Wall - 1)
BORING NO. RW1-1
Station 561+53.45
Offset 19.50ft (WALL)
Ground Surface Elev. 17.19 ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Asphalt, 9" 16.44			
Concrete, 10" 15.98			
Sub Base, Stone (FILL) 14.69	6		
Brown Sand and Brick Chips (FILL)	15		
	14		
	8		
	5		
-5	4		
	3		
	2		
	1		
	3		
-10	2		
	2		
	1		
	2		
Dark Brown Pieces of Glass and Stone	2		
2.19	15		
Stiff to Very Stiff Gray CLAY	12		
	11		
	6 1.8		19.0
	7 B		
	8		
-2.81 -20	8 3.1		18.0
	9 B		

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountered 2.2 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Very Stiff Gray SILTY CLAY LOAM	6		
	7 3.7		17.0
	10 B		
	6		
	9 3.9		18.0
-25	15 B		
	6		
	7 2.6		18.0
	9 B		
	3		
	4 2.3		18.0
-30	6 B		
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	13		
	13 9.7		11.0
-35	18 S		
	8		
	18 13.6		12.0
-40	21 S		

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 3/27/03

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

STRUCT. NO. 016-W913
Station (Wall - 1)
BORING NO. RW1-1
Station 561+53.45
Offset 19.50ft (WALL)
Ground Surface Elev. 17.19 ft

DEPTH ft	BLOWS /6"	UCS Qu ksf	MOIST (%)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)	50		
	50/0		11.0
-45	-		
Possible Bed Rock @ 45.6' -28.41			
End of Boring			
-50			
-55			
-60			

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountered 2.2 ft ▼
Upon Completion ft
After Hrs. ft

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

SB-2

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

SOIL BORING LOGS FOR
SIGN STRUCTURE FOUNDATIONS

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

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