F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	•	COOK	588	305
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
CHICAGO DRILLING COMPANY

Page 1 of 1

Date 8/14/03

ROUTE F.A.I. 1-90 / 1-94 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-28
Station 1493+30.90
Offset -110.44ft (SBDR)
Ground Surface Elev. 6.51 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 1.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

DEPTH ft	BLOWS /6"	UCS tsf	MOIST (%)	DEPTH ft	BLOWS /6"	UCS Qu tsf	MOIST (%)
Asphalt, 6" 6.01				Hard			
Coarse sand and gravel				Gray			
Sub Base	15			SILTY CLAY LOAM, trace gravel	19		
(FILL)	10			(continued)	30	8.6	12.0
4.01	16			-15.99	43	S	
Medium Dense				Hard / Very Dense			
Brown, medium				Gray	28		
SAND	9			SILTY CLAY LOAM / SILTY	50/4	8.9	10.0
1.51 ▼ -5	11			LOAM	-	S	
	7			-25			
Very Stiff					18		
Gray					33	9.5	14.0
CLAY	4				42	S	
	7	2.8	20.0				
	12	B			13		
					25	8.1	12.0
	6				31	S	
	8	3.4	18.0	-30			
-10	11	B					
	3						
	6	2.4	20.0				
	9	B					
	6				23		
	9	2.9	18.0		50/4	6.7	13.0
-15	10	B		Possible Bed Rock @ 35 -28.49 -35	-	S	
				End of Boring			
	5						
	8	2.1	21.0				
	10	B					
-10.99							
Hard							
Gray							
SILTY CLAY LOAM, trace gravel	9						
	15	5.6	14.0				
-20	20	B		-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
CHICAGO DRILLING COMPANY

Page 1 of 1

Date 8/27/03

ROUTE F.A.I. 1-90 / 1-94 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-29
Station 1493+32.13
Offset -64.32ft (SBDR)
Ground Surface Elev. 7.07 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 2.1 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

DEPTH ft	BLOWS /6"	UCS tsf	MOIST (%)	DEPTH ft	BLOWS /6"	UCS Qu tsf	MOIST (%)
Asphalt, 4" 6.74				Hard			
Sub Base				Gray			
(FILL)	22			SILTY CLAY LOAM (continued)	15		
5.07	23				21	6.8	13.0
Medium Dense	22			-15.43	30	S	
Brown, Coarse				Hard / Very Dense			
SAND	12			Gray	15		
	12			SILTY CLAY LOAM / SILTY	27	8.7	11.0
2.07 ▼ -5	10			LOAM	32	S	
Medium Dense				-17.93 -25			
Gray				Very Dense			
SILTY LOAM	6			Gray	16		
	7		18.0	SILT	29		11.0
-9.43	5			-20.43	34		
Very Stiff to Hard				Hard / Very Dense			
Gray				Gray	18		
CLAY	4			SILTY CLAY LOAM / SILTY	33	8.7	10.0
	8	2.6	19.0	LOAM	38	S	
-10	11	B		-27.93 -35			
	4			End of Boring			
	6	2.7	17.0				
	7	B					
	4						
	6	3.2	17.0				
-15	8	B					
	5						
	6	2.8	17.0				
	8	B					
-18.43							
Hard							
Gray							
SILTY CLAY LOAM	8						
	12	5.4	17.0				
-20	18	B		-40			

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
CHICAGO DRILLING COMPANY

Page 1 of 1

Date 8/12/03

ROUTE F.A.I. 1-90 / 1-94 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-35
Station 1511+46.21
Offset -149.86ft (SBDR)
Ground Surface Elev. 10.60 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion _____ ft
After ___ Hrs. _____ ft

DEPTH ft	BLOWS /6"	UCS tsf	MOIST (%)	DEPTH ft	BLOWS /6"	UCS Qu tsf	MOIST (%)
Asphalt, 4" 10.27				Hard / Dense			
Gray				Gray			
Clay, trace Silt and Sand	6			SILTY CLAY LOAM / SILTY	8		
(FILL)	5		17.0	LOAM	7	7.0	12.0
8.10	3				14	S	
Medium Dense							
Brown, fine	7				8		
SAND	9				18	8.0	12.0
5.60 -5	12				20	S	
Loose to Very Loose				-22			
Gray	2				15		
SILTY LOAM, trace sand	2		21.0		18	7.2	12.0
	2				23	S	
	1				13		
	1		23.0		18	8.2	13.0
0.60 -10	2			-30	21	S	
Very Stiff							
Gray							
CLAY, trace gravel	6						
	12	3.0	18.0				
	15	B					
	5				12		
	8	2.7	19.0		16	6.4	13.0
-4.40 -15	13	B		-24.40 -35	30	S	
Hard				End of Boring			
Gray							
SILTY CLAY LOAM	8						
	10	4.3	18.0				
	16	B					
	6						
	12	4.1	18.0				
-9.40 -20	15	B		-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
CHICAGO DRILLING COMPANY

Page 1 of 1

Date 8/28/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.

SECTION 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-36
Station 1511+42.51
Offset -84.95ft (SBDR)
Ground Surface Elev. 6.97 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion _____ ft
After ___ Hrs. _____ ft

DEPTH ft	BLOWS /6"	UCS tsf	MOIST (%)	DEPTH ft	BLOWS /6"	UCS Qu tsf	MOIST (%)
Asphalt, 6" 6.47				Hard / Very Dense			
Crushed Stone, Sub Base and				Gray			
Sand	16			SILTY CLAY LOAM / SILTY	16		
(FILL)	25			LOAM (continued)	18	6.8	11.0
4.47	43				20	S	
Very Dense							
Brown, Coarse	10				12		
SAND, with gravel	15				18	8.1	11.0
1.97 -5	31				20	S	
Very Stiff				-24			
Gray	5				10		
CLAY	8	3.0	19.0		16	5.8	13.0
-0.53	12	B			20	S	
Very Stiff to Hard							
Gray	4				10		
CLAY LOAM	8	3.4	19.0		16	7.4	13.0
-10	11	B		-30	18	S	
	5						
	8	4.4	16.0				
-5.53	11	B					
Hard							
Gray	3			Possible Bed Rock @ 33.5' -26.53	50/4		10.0
SILTY CLAY LOAM	8	4.4	17.0	End of Boring	-		
-15	10	B		-35			
	10						
	14	4.9	14.0				
	19	B					
-10.53							
Hard / Very Dense							
Gray							
SILTY CLAY LOAM / SILTY	12						
LOAM	15	7.5	11.0				
-20	17	S		-40			

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)

CTE | AECOM

SB-1

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

6/7/2006 12:23:30 PM

P:\PROJECTS\CIVIL\Cntrct 18 & 19\SHTS\Cntr 19\Sighting\SBSS1900R2.sht