F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	147A
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62693

Illinois Department of Transportation SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 7/29/03

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.
(2021-922 PT 1,2 & 2122 - 921
SECTION PTI) R-4 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 1C0161094R058.5
Station 3434+50.00

BORING NO. RFX-11
Station 116+67.64
Offset -65.08ft (WW)
Ground Surface Elev. -0.78 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	Depth (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 11"	-1.70				
Sub Base and Gravel (FILL)	-3.28		3		
			2		
			3		
Very Stiff to Hard Gray, trace gravel CLAY LOAM			3		
			3	3.2	19.0
		-5	6	B	
			3		
			6	3.6	18.0
			9	B	
			4		
			7	4.6	15.0
	-10.78	-10	8	B	
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM			4		
			5	5.2	13.0
			9	B	
			6		
			8	5.0	12.0
		-15	9	S	
			5		
			7	6.9	15.0
			12	S	
			9		
			12	5.1	13.0
	-20.78	-20	16	S	
Dense Gray SILTY	-23.28		9		
			13		13.0
			17		
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			8		
			11	5.5	11.0
		-25	13	S	
			9		
			13	7.0	10.0
			19	S	
Possible Bed Rock @ 29'	-29.78		⅊50		
End of Boring		-30			
		-35			
		-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 7/9/03

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P
(2021-922 PT 1,2 & 2122-921
SECTION PTI) R-4 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 1C0161094I58.5
Station 4435+00.00

BORING NO. RWEa-6
Station 520+11.93
Offset 61.61ft (WELL)
Ground Surface Elev. -0.81 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	Depth (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 8"	-1.48				
Very Stiff to Hard Gray SILTY CLAY LOAM			5		
			4	3.0	16.0
			5	B	
			4		
			7	4.2	18.0
		-5	9	B	
			4		
			8	4.3	18.0
	-8.31		12	B	
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			5		
			10	6.4	15.0
		-10	12	B	
			6		
			10	6.4	13.0
			14	S	
			7		
			14	8.2	13.0
		-15	19	B	
			9		
			13	7.2	13.0
			15	S	
			22		
			20	6.5	16.0
		-20	23	S	
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			17		
			23	8.7	11.0
			33	S	
			16		
			23		13.0
		-25	30		
Possible Bed Rock @ 26.5'	-27.31		⅊50		
End of Boring					
		-30			
		-35			
		-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)

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
63rd ST TO 59th ST (FRONTAGE ROAD & RAMPS)

SOIL BORING LOGS FOR
SIGN STRUCTURE FOUNDATIONS

SCALE: NONE DRAWN BY: SLW
DATE: October 29, 2004 CHECKED BY: SLW

11/22/2004 12:22:23 PM

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