F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	556	3840
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* (1818, ETC. 2324.6-1PJR-8

62300

2

Illinois Department of Transportation
Division of Highways
AMERICAN GLEENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1
Date 6/28/05

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

STRUCT. NO.
Station
BORING NO. SPN-07
Station 2469+46.91
Offset 8.91ft. LT
Ground Surface Elev. 2.56 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")	Qu (tsf)	MOIST (%)
Asphalt, 3"	2.31				
Concrete, 15"	1.46				
Gravel and Sub Base, some Clay (FILL)	-8.44		6		
			5		15.0
			3		
Stiff to Very Stiff, Gray, CLAY			2		
			3	1.8	19.0
		-5	3	B	
			2		
			3	2.0	18.0
			3	B	
			2		
			3	2.2	15.0
	-7.44	-10	5	B	
Very Stiff, Gray, SILTY CLAY LOAM			3		
			5	2.5	16.0
			5	B	
			3		
			4	2.2	18.0
	-12.44	-15	3	B	
Hard / Very Dense, Gray, SILTY CLAY LOAM / SILTY LOAM			8		
			11	6.8	12.0
			13	S	
			8		
			14	5.2	11.0
		-20	18	S	
Hard / Very Dense, Gray, SILTY CLAY LOAM / SILTY LOAM (continued)			10		
			16	5.4	11.0
			20	S	
			16		
			24	7.3	10.0
	-22.44	-25	26	S	
End of Boring					

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
Division of Highways
AMERICAN GLEENGINEERING, INC.

SOIL BORING LOG

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Date 6/28/05

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

STRUCT. NO.
Station
BORING NO. SPN-08
Station 2471+44.84
Offset 8.37ft. LT
Ground Surface Elev. 8.75 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")	Qu (tsf)	MOIST (%)
Asphalt, 7"	8.21				
Concrete, 12"	-8.79				
Very Stiff, Gray, SILTY CLAY LOAM			3		
			3	2.5	16.0
			3	B	
			2		
			4	2.1	16.0
		-5	4	B	
			2		
			4	3.0	18.0
			4	B	
			3		
			3	2.6	18.0
		-10	5	B	
			3		
			4	2.6	19.0
	-11.71		5	B	
Very Stiff to Hard / Very Dense, Gray, SILTY CLAY LOAM / SILTY LOAM			3		
			5	3.8	12.0
		-15	6	B	
			6		
			12	6.6	11.0
			11	S	
			10		
			15	7.5	11.0
		-20	20	S	
Very Stiff to Hard / Very Dense, Gray, SILTY CLAY LOAM / SILTY LOAM (continued)			45		
			>50		8.0
Auger Refusal at 22 Feet	-21.21				
End of Boring					

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
Division of Highways
AMERICAN GLEENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1
Date 6/28/05

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

STRUCT. NO.
Station
BORING NO. SPN-09
Station 2475+25.29
Offset 2.28ft. LT
Ground Surface Elev. 6.16 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")	Qu (tsf)	MOIST (%)
Asphalt, 3"	6.01				
Concrete, 12"	-1.26				
Gravel and Sub Base, some Clay (FILL)	-2.84		7		
			6		14.0
			5		
Stiff to Very Stiff, Gray, CLAY			2		
			3	1.8	17.0
		-5	4	B	
			3		
			5	3.0	19.0
	-7.34		6	B	
Stiff to Very Stiff, Gray, SILTY CLAY LOAM			3		
			4	2.8	23.0
		-10	3	B	
			2		
			3	1.8	13.0
			3	B	
			2		
			3	1.8	14.0
	-14.84	-15	4	B	
Very Stiff to Hard / Very Dense, Gray, SILTY CLAY LOAM / SILTY LOAM			5		
			6	5.4	13.0
			6	S	
			6		
			18	2.6	12.0
		-20	19	S	
Very Stiff to Hard / Very Dense, Gray, SILTY CLAY LOAM / SILTY LOAM (continued)			17		
			28	3.8	12.0
			50	S	
Auger Refusal at 23.5 feet	-23.34				
End of Boring					

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
Division of Highways
AMERICAN GLEENGINEERING, INC.

SOIL BORING LOG

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Date 6/29/05

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

STRUCT. NO.
Station
BORING NO. SPN-10
Station 2483+99.29
Offset 8.47ft. RT
Ground Surface Elev. 8.83 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")	Qu (tsf)	MOIST (%)
Asphalt, 8"	8.16				
Concrete, 9"	7.58				
Sub Base (FILL)	6.08		17		
			17		
			12		
Medium Dense, Brown, Coarse SAND			6		
			10		
			10		
Loose, Gray, SILT	3.83	-5	5		
			4		21.0
			4		
	1.33				
Stiff to Very Stiff, Gray, CLAY			3		
			3	1.8	20.0
		-10	4	B	
			3		
			4	2.2	19.0
			4	B	
			3		
			4	2.1	14.0
		-15	4	B	
			3		
			4	2.2	19.0
			4	B	
			2		
			3	2.2	20.0
		-20	4	B	
Stiff to Very Stiff, Gray, CLAY (continued)			2		
			2	1.2	16.0
			2	B	
		-13.67			
Stiff, Gray, SILTY CLAY LOAM			2		
			3	1.8	17.0
		-25	3	B	
End of Boring	-16.17				

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
Division of Highways
AMERICAN GLEENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1
Date 6/29/05

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

STRUCT. NO.
Station
BORING NO. SPN-11
Station 2485+97.70
Offset 8.41ft. LT
Ground Surface Elev. 10.51 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")	Qu (tsf)	MOIST (%)
Asphalt 6"	10.11				
Concrete, 18"	9.28				
Sub Base (FILL)	7.78		10		
			15		
			8		
Dense, Brown, Coarse SAND			12		
			15		
			18		
Loose to Medium Dense, Gray, SILT	5.51	-5	9		
			9		16.0
			4		
			2		
			2		23.0
	0.51	-10	3		
Very Stiff, Gray, CLAY			2		
			4	2.1	20.0
			5	B	
			3		
			4	2.4	19.0
		-15	5	S	
			3		
			5	2.4	12.0
	-6.89		5	B	
Very Stiff, Gray, SILTY CLAY LOAM			3		
			5	2.8	18.0
		-20	7	B	
Very Stiff, Gray, SILTY CLAY LOAM (continued)			3		
			4	2.0	15.0
			4	B	
			2		
			3	2.0	13.0
		-25	4	B	
End of Boring	-14.39				

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
Division of Highways
AMERICAN GLEENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1
Date 6/29/05

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

STRUCT. NO.
Station
BORING NO. SPN-12
Station 2487+96.28
Offset 8.93ft. LT
Ground Surface Elev. 11.43 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")	Qu (tsf)	MOIST (%)
Asphalt, 3"	11.18				
Concrete, 15"	9.93				
Sub Base (FILL)	8.43		12		
			16		
			17		
Dense, Brown, Coarse SAND, trace silt			8		
			17		
			15		
Loose to Medium Dense, Gray, SILT	5.43	-5	10		
			9		24.0
			9		
			2		
			2		22.0
	1.43	-10	2		
Very Stiff, Gray, CLAY			3		
			4	2.6	19.0
			5	S	
			2		
			3	2.2	19.0
		-15	5	B	
			3		
			4	2.2	18.0
	-6.07		5	B	
Very Stiff, Gray, SILTY CLAY LOAM			4		
			5	3.0	19.0
		-20	6	B	
Very Stiff / Medium Dense, Gray, SILTY CLAY LOAM / SILTY LOAM			4		
			5	3.6	13.0
			7	B	
			4		
			4	2.6	17.0
		-25	5	B	
End of Boring	-13.57				

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)

2 ADDED SHEET SB-02

CTE | AECOM

REVISIONS	
NAME	DATE
ADDENDUM #2	9-16-05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST STREET TO 31ST STREET (NB EXPRESS LANES)

SOIL BORING LOGS

SCALE: NONE DRAWN BY: PHP
DATE: September 16, 2005 CHECKED BY: JAL

P:\P40REGION\IF_carrie\SM\SOIL_Boring_CIA\SB1_40021A.SM 9/8/2005 9:25:46 AM