F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	556	384P
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* (1818, ETC, 2324.6-1P)R-8 62300

2

Illinois Department of Transportation
Bureau of Highways
AMERICOM GEOENGINEERING, 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-91-419-81) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SPN-13
Station 2489+96.99
Offset 8.86Ft LT
Ground Surface Elev. 11.87 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 7.1 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Asphalt, 2" / Concrete, 14" — 10.62			
9.55			
Sub Base (FILL)	10		
	15		
	9		
8.87			
Loose to Medium Dense Brown to Gray, Fine, Wet SAND	5		
	9		
-3	11		
	9		
	5		
3.57	3		
Very Loose Gray SILT	2		
	2		23.0
1.87 -18	1		
Stiff to Very Stiff Gray SILTY CLAY LOAM	2		
	4	1.8	11.8
	5	S	
	4		
	5	2.6	18.0
-15	6	B	
	4		
	5	3.2	17.8
	6	B	
	4		
	5	2.8	17.8
-28	6	B	

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Stiff to Very Stiff Gray SILTY CLAY LOAM (continued)			
-11.43			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	3		
	5	3.8	17.8
	7	B	
-13.93 -25	3		
	6	4.5	13.8
	9	B	
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
Bureau of Highways
AMERICOM GEOENGINEERING, 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-91-419-81) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SPN-14
Station 2491+96.84
Offset 8.86Ft RT
Ground Surface Elev. 9.49 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 9.4 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Asphalt, 2" / Concrete, 15" — 9.22			
7.98			
Sub Base (FILL)	15		
	14		
6.49	10		
Medium Dense Brown, Coarse, Wet SAND	11		
	13		
-5	12		
4.48			
Loose to Medium Dense Gray SILT	6		
	7		18.8
	8		
-8.68 -18	3		
Very Stiff Gray SILTY CLAY LOAM	3		17.8
	3		
	4		
	5	2.6	19.8
	6	B	
-15	3		
	4	3.2	17.8
	5	B	
	3		
	5	3.2	19.8
	6	B	
	3		
	5	2.8	17.8
-28	6	B	

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Very Stiff Gray SILTY CLAY LOAM (continued)			
-13.51			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	4		
	4	2.8	18.8
	8	B	
-15.68 -25	6		
	12	5.6	12.8
	13	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
Bureau of Highways
AMERICOM GEOENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1

Date 6/30/05

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-81) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SPN-15
Station 2493+95.72
Offset 8.45Ft LT
Ground Surface Elev. 7.44 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")	Qu (tsf)	MOIST (%)
Asphalt, 3" / Concrete, 14" — 7.19			
6.82			
Sub Base (FILL)	10		
	12		
4.44	9		
Medium Dense Brown SAND with Silt	4		
	5		
-5	6		
2.44			
Loose Gray SILT	5		
	5		19.8
	4		
-8.86			
Very Stiff Gray CLAY	2		
	4	3.4	19.8
	5	B	
-18			
	4		
	6	2.8	16.8
	6	B	
	3		
-15	4	2.4	19.8
	5	B	
	3		
	5	2.6	16.8
-18.86	5	B	
Very Stiff Gray SILTY CLAY LOAM	3		
	5	3.8	16.8
-12.56 -28	6	B	

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	7		
	10	6.2	13.8
	12	B	
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	9		
	11	6.8	12.8
-25	11	S	
End of Boring -17.56			

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
Bureau of Highways
AMERICOM GEOENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1

Date 6/30/05

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-81) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SPN-16
Station 2495+54.88
Offset 8.63Ft LT
Ground Surface Elev. 5.37 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 1.4 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Asphalt, 2" / Concrete, 16" — 5.29			
3.87			
Sub Base (FILL)	9		
	19		
2.37	12		
Medium Dense Brown, Coarse, Wet SAND	6		
	7		
-3.7	5		
Stiff to Very Stiff Gray CLAY	3		
	4	2.2	18.8
	4	B	
	3		
	4	2.4	19.8
-10	5	B	
	3		
	3	2.4	18.8
	4	B	
	2		
	3	1.8	19.8
-16	3	B	
	3		
	4	1.8	20.8
-12.13	4	B	
Very Stiff Gray SILTY CLAY LOAM	6		
	9	2.4	17.8
-14.63 -20	9	B	

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	6		
	8	4.6	13.8
	17	B	
	10		
	12	6.8	12.8
-19.63 -25	10	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
Bureau of Highways
AMERICOM GEOENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1

Date 6/30/05

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-81) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SPN-17
Station 2497+93.71
Offset 8.48Ft LT
Ground Surface Elev. 3.48 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")	Qu (tsf)	MOIST (%)
Asphalt, 2" / Concrete, 17" — 3.38			
1.98			
Sub Base (FILL)	12		
	16		
0.48	14		
Very Stiff to Hard Gray SILTY CLAY LOAM	3		
	3	3.8	19.8
2-Inch Silt Seam	4	B	
-5			
	3		
	5	3.8	19.8
	4	B	
-10			
	4		
	5	3.2	17.8
	6	B	
	3		
	5	3.6	17.8
	6	B	
	3		
	5	4.8	17.8
-11.52 -15	7	B	
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	7		
	8	6.2	13.8
	7	B	
	4		
	11	8.3	17.8
-28	13	S	

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
	9		
	14	5.6	12.8
	16	S	
	9		
	13	6.4	12.8
-21.52 -26	16	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
Bureau of Highways
AMERICOM GEOENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1

Date 6/30/05

ROUTE F.A.I. I-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-81) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station

BORING NO. SPN-18
Station 2500+82.13
Offset 1.87Ft LT
Ground Surface Elev. 1.29 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")	Qu (tsf)	MOIST (%)
Asphalt, 2" / Concrete, 14" — 1.11			
-2.04			
Sub Base (FILL)	6		
	5		
-1.21	3	3.8	15.8
Very Stiff to Hard Gray SILTY CLAY LOAM		B	
	4		
	6	3.6	17.8
-5	6	B	
	4		
	5	4.4	17.8
	6	B	
	3		
	4	3.8	17.8
-10	5	B	
	3		
	6	4.8	17.8
	7	B	
	4		
	5	3.8	18.8
-13.71 -15	6	B	
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	6		
	12	5.4	14.8
	22	S	
	9		
	12	6.6	12.8
-28	14	S	

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	Qu (tsf)	MOIST (%)
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)			
	6		
	10	5.8	12.8
	11	S	
	6		
	8	5.2	13.8
-25	10	S	
End of Boring -23.71			

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-03

CTE | AECOM

REVISIONS	
NAME	DATE
⚠2 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

9/8/2005 8:25:54 AM

P:\PROJECTS\CONTRACTS\SBI_Boring_CAD\SBI_400205.dgn