F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	447
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62302 * (1818, ETC, 2324.6-1P)R-9

BORING SEL-4

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

SOIL BORING LOG

Page 1 of 1

Date 2/12/05

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

SECTION 1818, ETC, 2324.6-1P)R-9 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. None
Station Wall-SEL

BORING NO. SEL-4
Station 1417+84.74
Offset -38.18ft (SBDR)
Ground Surface Elev. 1.15 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 Qu (tsf)	MOIST (%)
0.48			
Concrete, 6"			
0.02			
Sub Base, Gravel (FILL)			
Very Stiff Gray CLAY	5		
	5 7	3.0 B	19.0
	5		
	5 6	3.2 B	19.0
	6		
	4		
	6 8	3.6 B	20.0
	6		
	8	3.5 B	16.0
-8.85	10		
Hard Gray SILTY CLAY LOAM	6		
	7 9	6.0 B	12.0
	6		
	7 10	5.6 B,S	13.0
	7		
	10 11	7.8 B,S	13.0
	6		
	8 12	6.2 S	15.0

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray SILTY CLAY LOAM (continued)	8		
	12 15	5.5 B	19.0
	9		
	12 15		14.0
3" Silt Layer at the bottom			
-23.85			
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)

BORING SEL-5

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

SOIL BORING LOG

Page 1 of 1

Date 2/12/05

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

SECTION 1818, ETC, 2324.6-1P)R-9 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. None
Station Wall-SEL

BORING NO. SEL-5
Station 1418+76.24
Offset -37.82ft (SBDR)
Ground Surface Elev. 1.69 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 Qu (tsf)	MOIST (%)
0.87			
Concrete, 10"			
0.37			
Sub Base, Gravel (FILL)			
Very Stiff to Hard Gray CLAY	8		
	7 9	4.4 B	18.0
	6		
	7 10	4.5 B	18.0
	5		
	6 8	3.7 B	19.0
	5		
	5 8	2.9 B	18.0
-8.31			
Hard Gray SILTY CLAY LOAM	7		
	9 11	5.5 B,S	13.0
	8		
	10 12	7.1 B	14.0
-13.31			
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	13		
	15 15	4.7 S	14.0
	7		
	9 12	6.5 B,S	14.0

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)	14		
	16 18	3.4 S	20.0
-20.81			
Medium Dense Gray SILT	7		
	10 19		22.0
-23.31			
Dense to Very Dense Gray SILTY LOAM	16		
	22 26		11.0
	20		
	25 27		12.0
-30			
	35		
	>50 "		9.0
-33.31			
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)

BORING SEL-6

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

SOIL BORING LOG

Page 1 of 1

Date 1/28/05

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

SECTION 1818, ETC, 2324.6-1P)R-9 LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. None
Station Wall-SEL

BORING NO. SEL-6
Station 1419+59.18
Offset -37.93ft (SBDR)
Ground Surface Elev. 2.08 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 Qu (tsf)	MOIST (%)
Concrete 9"			
1.33			
Sub Base, Gravel (FILL)			
0.66			
Very Stiff to Hard Gray SILTY CLAY LOAM	8		
	7 7	6.1 B	14.0
	5		
	6 7	2.7 B	17.0
-5			
	5		
	7 6	4.2 B	17.0
	5		
	8 10	5.2 B	16.0
-10			
	7		
	10 10	>4.5 P	12.0
-10.42			
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	7		
	8 9	5.9 S	14.0
-15			
	9		
	11 13	7.0 B	12.0
	11		
	14 17	8.1 B	14.0
-17.92			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense Gray SILT	10		
	17 22		17.0
	15		
	16 18		18.0
-22.92			
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)

SEL-13

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
SB EXPRESS LANE RECONSTRUCTION
RETAINING WALL SEL
SOIL BORINGS 2
SB STA. 1416+88.18 TO STA. 1421+97.41
STRUCTURE NO. NONE
SCALE: 0' 20' 40'
DRAWN BY: ABW
DATE: 7/7/05
CHECKED BY: FL

Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EXCORP.COM

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