F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	598	446
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62302	* (1818, ETC, 2324.6-1P)R-9			

BORING SEL-1

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-1
Station 1412+41.27
Offset -31.46ft (SBDR)
Ground Surface Elev. 0.41 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 (%)
-0.58 Asphalt 2"			
-1.58 Concrete 12"			
-2.33 Sub Base, Gravel (FILL)			
Very Stiff to Hard Gray SILTY CLAY LOAM	4		
	6	5.8	17.0
	8	B	
	3		
-5	5	5.1	18.0
	8	B	
	4		
	6	3.0	19.0
-7.91	7	B	
Very Stiff to Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	3		
	4	4.7	12.0
-10	6	B	
	8		
	13	3.0	12.0
	14	B,S	
	9		
	10	>4.5	13.0
-15	13	P	
	7		
	8	6.6	15.0
	9	B	
	6		
	6	5.3	15.0
-20	8	B	

Very Stiff to Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	5		
	10	7.7	13.0
	11	B	
	10		
	12		12.0
-25	13		

-25.41 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)

BORING SEL-2

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-2
Station 1414+93.47
Offset -34.12ft (SBDR)
Ground Surface Elev. 0.03 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 (%)
-0.28 Asphalt 3"			
-1.03 Concrete 9"			
-2.03 Sub Base, Gravel (FILL)			
Very Stiff Gray SILTY CLAY LOAM	6		
	5	3.4	17.0
	6	B	
	6		
-5.03 -5	7	3.4	17.0
	9	B	
Very Stiff to Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	8		
	8	7.3	13.0
	9	B	
	6		
	7	7.1	13.0
-10	8	B	
	7		
	8	7.7	12.0
	10	B	
	8		
	10	8.7	12.0
-15	13	B	
	9		
	11	8.8	14.0
	13	B	
	7		
	11	9.1	15.0
-20	13	B	

Very Stiff to Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	10		
	11	2.4	11.0
-22.53	10	S	
Medium Dense Gray SILT			
	7		
	8		19.0
-25.03 -25	10		

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)

BORING SEL-3

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-3
Station 1415+90.93
Offset -39.04ft (SBDR)
Ground Surface Elev. 0.30 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" -0.45			
-0.76 Sub Base, Gravel (FILL)			
	5		
Hard	7	6.8	15.0
Gray	8	B	
SILTY CLAY LOAM -4.70 -5			
	6		
	6	4.4	19.0
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	8	B	
	6		
	6	4.3	15.0
	7	B	
	5		
	7	5.6	13.0
-10	9	B	
	7		
	7	6.6	13.0
	9	B	
	8		
	9	7.6	13.0
-15	12	B,S	
	11		
	16	9.7	13.0
	19	B,S	
	9		
	11	10.3	14.0
-20	14	S	

Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	11		
	10		14.0
-22.20	12		
Dense Gray SILT			
	11		
	18		14.0
-24.70 -25	13		

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)

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SEL-12

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 1
SB STA. 1416+88.18 TO STA. 1421+97.41
STRUCTURE NO. NONE
SCALE: 0' 20' 40'
DATE: 05/7/05
DRAWN BY: ABW
CHECKED BY: EL

p:\03009\039\Cad\Mdl\5\ND\5\Retaining Wall\Plan\Ser1\final\wall12.dgn
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