STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	254
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 2 of 2

Date 1/30/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
SECTION (2021-922 PT 1.2&2122-921 PT)1R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W886
Station (Wall - R)

BORING NO. RER-4
Station 123+96.33
Offset 25.04ft (WW)
Ground Surface Elev. 18.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 8.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (ft X/6")	UCS Qu (tsf)	MOIST (%)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			
-4.5	12 19 26	5.7 B	11.0
-9.5	22 50/5"	5.6 S	13.0
-14.5	37 50/5"	6.3 S	14.0
-36.80			
End of Boring			
-60			

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 6/16/04

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
SECTION (2021-922 PT 1.2&2122-921 PT)1R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W886
Station (Wall - R)

BORING NO. RERb-3
Station 124+32.21
Offset -0.17ft (WW)
Ground Surface Elev. 18.88 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 8.9 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (ft X/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 2"			
-0.71 Concrete, 10" -1.71			
-1.71 Dark Brown Sand, Trace Brick Chips (FILL) -15.38	6 7 10		
Loose to Medium Dense Brown to Gray, Medium to Fine SAND	1 2 7		
-6.38 Loose Gray SILTY LOAM -8.88	2 2 4		24.0
Very Stiff Gray CLAY	1 4 6	2.3 B	19.0
-11.12	3 4 6	2.4 B	19.0
-20			
-40			
Very Stiff to Hard Gray, trace gravel SILTY CLAY LOAM			
Btm/Ftg El ~2.00	4 5 6	2.4 B	18.0
-25	3 6 8	3.0 B	18.0
-30	6 8 11	6.4 B	14.0
-11.12 -32	7 10 12	7.1 B	13.0
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 SOIL BORING LOG
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 2

Date 1/28/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
SECTION (2021-922 PT 1.2&2122-921 PT)1R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W886
Station (Wall - R)

BORING NO. RER-5
Station 124+79.97
Offset 1.63ft (WW)
Ground Surface Elev. 18.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 6.8 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (ft X/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 3" -0.55			
Concrete, 10" -1.80			
Sub Base (FILL)	50/4"		
-16.30			
Sand and Brick Chips, Some Gravel and Pieces of Wood (FILL)	10 11 7		
-5	13 4 5		
-10	2 2 2		
Strong Petroleum Odor			
-6.30	6 9 10		
Very Loose Gray, Moist SILTY LOAM	1 1 1		26.0
-3.80 -15			
Medium Stiff to Stiff Gray CLAY	11		
Btm/Ftg El 2.00	9 12	2.0 B	20.0
-25	5		
-20	5 7	1.0 B	19.0
-21.20 -40			
Medium Stiff to Stiff Gray CLAY (continued)			
-5.70	5 4 8	1.5 B	18.0
Stiff to Hard Gray CLAY LOAM	7 8 14	1.8 B	16.0
-25	6 9 15	3.0 B	17.0
-30	8 12 16	3.3 B	14.0
-35	8 15 16	5.0 B	13.0
-40	10 14 16	2.8 B	22.0

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 2 of 2

Date 1/28/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
SECTION (2021-922 PT 1.2&2122-921 PT)1R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W886
Station (Wall - R)

BORING NO. RER-5
Station 124+79.97
Offset 1.63ft (WW)
Ground Surface Elev. 18.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 6.8 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (ft X/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff to Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			
-4.5	7 10 12	3.0 B	19.0
-9.5	18 24 47	6.5 S	12.0
-31.20 -50			
End of Boring			
-60			

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 2

Date 1/25/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
SECTION (2021-922 PT 1.2&2122-921 PT)1R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W886
Station (Wall - R)

BORING NO. RER-6
Station 125+55.15
Offset 0.81ft (WW)
Ground Surface Elev. 18.69 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 (ft X/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 3" -0.44			
Concrete, 12" -1.44			
Sub Base (FILL)	50/4"		
-16.19			
Dark Brown Sand, Gravel and Brick Chips (FILL)	6 6 8		
-13.69 -5	3 4 4		
Loose to Medium Dense Gray Sand, trace Gravel (Possible Back Fill)	6 7 9		
-10	8 10 12		
-6.19 Very Loose Gray, Moist SILTY LOAM	1 1 2		27.0
Btm/Ftg El 5.00 -3.69 -15			
Stiff to Very Stiff Gray CLAY	2 4 7	2.4 B	19.0
-20	5 7 10	1.0 B	19.0
-40			
Stiff to Very Stiff Gray CLAY (continued)			
-3.81	5 7 10	1.1 B	18.0
Very Stiff to Hard Gray CLAY LOAM	5 7 10	2.3 B	16.0
-25	7 9 14	3.4 B	17.0
-30	7 15 19	8.3 B	12.0
-21.31 -40	10 18 24	4.8 B	16.0

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 2 of 2

Date 1/29/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
SECTION (2021-922 PT 1.2&2122-921 PT)1R-4 LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 016-W886
Station (Wall - R)

BORING NO. RER-6
Station 125+55.15
Offset 0.81ft (WW)
Ground Surface Elev. 18.69 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 (ft X/6")	UCS Qu (tsf)	MOIST (%)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM			
-4.5	8 8 13	8.7 S	12.0
-9.5	10 26 35	6.3 S	12.0
-31.31 -50			
End of Boring			
-60			

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)

Sheet R27 of 28

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5212, PHONE: (312) 938-0300

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
SOIL BORING LOGS
SOUTH WENTWORTH AVENUE RETAINING WALL
WEST 59TH STREET TO WEST 63RD STREET
SECTION 2021-922 PT.1- AC
STATION 111+25.00 TO 126+89.58
COOK COUNTY S.N. 016-W886

SCALE: None DRAWN BY: SR
DATE: October 29, 2004 CHECKED BY: JSS/MM

10/21/2004 04:44:45 PM
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