

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation SOIL BORING LOG
Division of Highways
AMERICAN GEOTECHNICAL ENGINEERING, INC.
Page 2 of 2
Date 6/11/04

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY M.S.
SECTION (2021-922 PT 1.242122-921) LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	015-W886	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(Wall - R)	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	RER-14	H	S	O	T	Groundwater Elev.:	ft	H	S	O	T
Station	120+37.61					First Encounter	9.3 ft				
Offset	6.06ft (NW)					Upon Completion	ft				
Ground Surface Elev.	19.25	ft	ft	ft	ft	After	Hrs.	ft	ft	ft	ft
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)											
10											
12											
18											
End of Boring											
-25.75											
-30											

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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STRUCT. NO.	016-W886	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(Wall - R)	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	RER-15	H	S	O	T	Groundwater Elev.:	ft	H	S	O	T
Station	121+06.72					First Encounter	9.2 ft				
Offset	4.89ft (NW)					Upon Completion	ft				
Ground Surface Elev.	19.18	ft	ft	ft	ft	After	Hrs.	ft	ft	ft	ft
Asphalt, 2" Concrete, 10" Very Stiff to Hard Gray SILTY CLAY LOAM											
19.07											
18.16											
5											
6											
8											
16.58											
Brown Sand, Trace Brick Chips & Gravel (Fill)											
2											
3											
4											
11.68											
Loose to Medium Dense Brown, Fine SAND (Possible Back Fill)											
3											
4											
5											
6.58											
Very Loose Gray, Moist SILTY LOAM											
1											
0											
26.0											
4.18											
15											
3											
7											
21.0											
7											
4											
5											
3.6											
16.0											
9											
-0.82											
-20											
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)

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Station	(Wall - R)	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	RER-15	H	S	O	T	Groundwater Elev.:	ft	H	S	O	T
Station	121+06.72					First Encounter	9.2 ft				
Offset	4.89ft (NW)					Upon Completion	ft				
Ground Surface Elev.	19.18	ft	ft	ft	ft	After	Hrs.	ft	ft	ft	ft
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)											
11											
6.2											
17											
6.5											
End of Boring											
-30.82											
-50											

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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ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
SECTION (2021-922 PT 1.242122-921) LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	015-W886	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(Wall - R)	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	RER-1	H	S	O	T	Groundwater Elev.:	ft	H	S	O	T
Station	121+83.65					First Encounter	6.9 ft				
Offset	23.43ft (NW)					Upon Completion	ft				
Ground Surface Elev.	18.93	ft	ft	ft	ft	After	Hrs.	ft	ft	ft	ft
Asphalt, 2" Concrete, 10" Very Stiff to Very Stiff Gray CLAY LOAM											
18.75											
17.93											
6											
10											
10											
16.43											
Medium Dense Brown, Fine SAND (Possible Back Fill)											
6											
7											
8											
6											
9											
11											
16.0											
9											
10											
8											
2.6											
18.0											
10											
15											
11											
11											
6.43											
Very Loose Gray, Moist SILTY LOAM											
1											
1											
24.0											
3.93											
15											
9											
5											
1.3											
20.0											
6											
8											
5											
1.4											
18.0											
8											
16											
3.0											
15.0											
-1.07											
-20											
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)

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STRUCT. NO.	016-W886	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(Wall - R)	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	RER-1	H	S	O	T	Groundwater Elev.:	ft	H	S	O	T
Station	121+83.65					First Encounter	6.9 ft				
Offset	23.43ft (NW)					Upon Completion	ft				
Ground Surface Elev.	18.93	ft	ft	ft	ft	After	Hrs.	ft	ft	ft	ft
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM											
7											
10											
4.1											
16.0											
14											
End of Boring											
-36.07											
-45											

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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STRUCT. NO.	016-W886	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(Wall - R)	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	RER-2	H	S	O	T	Groundwater Elev.:	ft	H	S	O	T
Station	122+58.19					First Encounter	6.9 ft				
Offset	24.54ft (NW)					Upon Completion	ft				
Ground Surface Elev.	18.85	ft	ft	ft	ft	After	Hrs.	ft	ft	ft	ft
Asphalt, 2" Concrete, 12" Very Stiff to Hard Gray CLAY LOAM											
18.87											
11.67											
14											
14											
7											
3.0											
19.0											
11											
B											
16.35											
Medium Dense Brown, Fine to Medium SAND, trace Gravel (Possible Back Fill)											
8											
8											
4											
6											
2.3											
17.0											
8											
B											
5											
6											
3.0											
15.0											
10											
B											
6											
2.8											
15.0											
10											
7											
2.8											
15.0											
12											
14											
8											
8.2											
11.0											
19											
8.2											
11.0											
39											
6											
2.6											
18.0											
15											
11											
6.35											
Very Loose Gray, Moist SILTY LOAM											
1											
1											
24.0											
3.85											
15											
2											
17											
4.3											
15.0											
17											
B											
16											
5.3											
13.0											
-1.15											
-20											
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)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	252
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	62693	

Sheet R25 of 28

CTE ENGINEERS
CONSOER TOWNSEND 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 04:41:43 PM