

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	227
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62693				

Illinois Department of Transportation  
Division of Highways  
AMERICAN GEOTECHNICAL, INC.  
SOIL BORING LOG Page 1 of 1  
Date 7/28/03

ROUTE F.A.I. 1-94 / 1-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.  
SECTION (2021-922 PT 1,2 & 2122 - 921 PT.1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DRILLING METHOD			SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER UPON COMPLETION	AFTER	HAMMER TYPE		
						D	B	U						D	B	U
016-W882	(W011 - X)	REX-6	112+94.43	-62.74ft (WB)	1.10											
Topsoil 12" 0.10 SUB Base (FILL) 7 15.0 B/ Leveling Pad -0.80 Very Stiff to Hard Gray, trace gravel SILTY CLAY LOAM El. -0.8 5 3.8 17.0 7 B 3 3.5 18.0 9 B 4 Possible Bed Rock @ 29' -27.30 End of Boring 8 3.7 16.0 10 B Hard / Very Dense Gray, trace gravel SILTY CLAY LOAM / SILTY LOAM 4 5.2 12.0 6 B 3 3.4 15.0 5 S 10 5.5 13.0 6 5.9 12.0 11 S 19 S																

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  
Division of Highways  
AMERICAN GEOTECHNICAL, INC.  
SOIL BORING LOG Page 1 of 1  
Date 7/28/03

ROUTE F.A.I. 1-94 / 1-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.  
SECTION (2021-922 PT 1,2 & 2122 - 921 PT.1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DRILLING METHOD			SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER UPON COMPLETION	AFTER	HAMMER TYPE		
						D	B	U						D	B	U
016-W882	(W011 - X)	REX-7	113+66.61	-59.29ft (WB)	1.26											
Crushed Stone Sub Base (FILL) 3 15.0 Very Stiff to Hard Gray, trace gravel SILTY CLAY LOAM El. -1.24 3 3.9 17.0 B/ Leveling Pad El. -2.9 5 3.9 17.0 7 B 4 4.0 17.0 8 B Possible Bed Rock @ 28.5' -27.24 End of Boring 6 4.8 12.0 10 B Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM 4 4.8 12.0 8 S 6 5.2 15.0 8 S 3 4.2 14.0 6 4.2 14.0 9 S 5 6.2 15.0 11 S																

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  
Division of Highways  
AMERICAN GEOTECHNICAL, INC.  
SOIL BORING LOG Page 1 of 1  
Date 7/29/03

ROUTE F.A.I. 1-94 / 1-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.  
SECTION (2021-922 PT 1,2 & 2122 - 921 PT.1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DRILLING METHOD			SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER UPON COMPLETION	AFTER	HAMMER TYPE		
						D	B	U						D	B	U
016-W882	(W011 - X)	REX-8	114+42.10	-67.94ft (WB)	0.10											
Asphalt 10" -0.73 SUB Base and Clay (FILL) 6 15.0 Very Stiff to Hard Gray, trace gravel SILTY CLAY LOAM El. -3.5 3 2.8 17.0 4 B 6 3.5 15.0 9 B 5 4.0 16.0 8 B Possible Bed Rock @ 30' -29.90 End of Boring 9 4.0 16.0 11 6.8 11.0 14 S 44 20 Hard / Very Dense Gray, trace gravel SILTY CLAY LOAM 4 4.1 14.0 6 S 5 4.2 13.0 6 S -16.90 Hard / Very Dense Gray, trace gravel SILTY CLAY LOAM / SILTY LOAM 4 5.1 13.0 8 S 6 6.4 11.0 10 S 13 S																

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)

**CTE ENGINEERS**  
CONSOER TOWNSEND ENVIRODYNAMIC ENGINEERS, INC.  
303 EAST WACKER DRIVE, SUITE 600  
CHICAGO, ILLINOIS 60601-5202, PHONE: (312) 938-0300

Sheet X14 of 14

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
SOIL BORING LOGS  
SOUTH WENTWORTH AVENUE RETAINING WALL  
WEST 55TH STREET TO WEST 51ST STREET  
SECTION (2021-922 PT.1, 2 & 2122-921 PT.1) R-4  
STATION 108+14.88 TO 114+71.57  
COOK COUNTY SN. 016-W882  
SCALE: None DRAWN BY: SR  
DATE: October 29, 2004 CHECKED BY: MJP

10/27/2004 04:39:31 PM