

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	310
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62693				

Illinois Department of Transportation SOIL BORING LOG
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Date 1/1/03

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

STRUCT. NO.	016-W903, W905	Station	(Wall Elevation)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	Hrs.																														
BORING NO.	RWE-10	Station	526+66.00	Offset	-1.93ft (WELL)	Ground Surface Elev.	18.81																																	
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ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.
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BORING NO.	RWE-1	Station	526+46.16	Offset	-5.03ft (WELL)	Ground Surface Elev.	19.27																																																																																																																																
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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) LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	016-W903, W906	Station	(Wall Elevation)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	Hrs.																																																																																																																																																						
BORING NO.	RWE-3	Station	527+96.17	Offset	-4.11ft (WELL)	Ground Surface Elev.	18.63																																																																																																																																																									
<table border="1"> <tr> <th>Depth (ft)</th> <th>Blow Count (N)</th> <th>Soil Description</th> <th>UCS Failure Mode</th> <th>SPT (N)</th> </tr> <tr> <td>0-16.92</td> <td>17</td> <td>Very Stiff Gray CLAY LOAM</td> <td></td> <td>17.0</td> </tr> <tr> <td>16.92-11.77</td> <td>11</td> <td></td> <td></td> <td></td> </tr> <tr> <td>11.77-9</td> <td>9</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9-4</td> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-16.19</td> <td>16</td> <td>Medium Dense Brown to Gray, Fine to Medium SAND (Possible Back Fill)</td> <td></td> <td>18.0</td> </tr> <tr> <td>16.19-9</td> <td>9</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9-6</td> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6-6.31</td> <td>6</td> <td>Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM</td> <td></td> <td>13.0</td> </tr> <tr> <td>6.31-7</td> <td>7</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7-5</td> <td>5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5-12</td> <td>12</td> <td></td> <td></td> <td></td> </tr> <tr> <td>12-6</td> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6-7</td> <td>7</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7-10</td> <td>10</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10-9</td> <td>9</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9-6.19</td> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6.19-9</td> <td>9</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9-1</td> <td>1</td> <td>Very Loose Gray SILTY LOAM</td> <td></td> <td>15.0</td> </tr> <tr> <td>1-22.0</td> <td>22</td> <td></td> <td></td> <td></td> </tr> <tr> <td>22.0-3.69</td> <td>3</td> <td>Stiff Gray CLAY</td> <td></td> <td>20.0</td> </tr> <tr> <td>3.69-19</td> <td>19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>19-7</td> <td>7</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7-4</td> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-3</td> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3-4</td> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-2</td> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2-0</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0-1.31</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5">End of Boring</td> </tr> </table>											Depth (ft)	Blow Count (N)	Soil Description	UCS Failure Mode	SPT (N)	0-16.92	17	Very Stiff Gray CLAY LOAM		17.0	16.92-11.77	11				11.77-9	9				9-4	4				4-16.19	16	Medium Dense Brown to Gray, Fine to Medium SAND (Possible Back Fill)		18.0	16.19-9	9				9-6	6				6-6.31	6	Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM		13.0	6.31-7	7				7-5	5				5-12	12				12-6	6				6-7	7				7-10	10				10-9	9				9-6.19	6				6.19-9	9				9-1	1	Very Loose Gray SILTY LOAM		15.0	1-22.0	22				22.0-3.69	3	Stiff Gray CLAY		20.0	3.69-19	19				19-7	7				7-4	4				4-3	3				3-4	4				4-2	2				2-0	0				0-1.31	1				End of Boring				
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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 Eb22 of 23

CTE ENGINEERS
CONSIDER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-3202, PHONE: (312) 938-0300

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
SOIL BORING LOGS
SOUTH WELLS STREET RETAINING WALL
WEST 62ND STREET TO WEST 59TH STREET
SECTION 2021-922PT.1-AC
STATION 513+16.20 TO 528+23.69
COOK COUNTY SN. 016-W906-W903

SCALE: None DRAWN BY: SR
DATE: October 29, 2004 CHECKED BY: MK

10/27/2004 04:52:47 PM