

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation SOIL BORING LOG  
Page 1 of 2  
Date 2/11/03

ROUTE F.A.I. 1-90 / I-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.  
SECTION (2021-922 PT 1.2&2122-921) LOCATION Chicago, Illinois

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
016-W886										
Station (Wall - R)										
BORING NO. BER-2					Groundwater Elev.:					
Station 122+58.19					First Encounter	6.9 ft				
Offset 24.54ft (WW)					Upon Completion					
Ground Surface Elev. 18.85					After Hrs.					
Asphalt, 2"					Very Stiff to Hard					
Concrete, 12"					Gray					
Sub Base (FILL)					CLAY LOAM					
Medium Dense Brown, Fine to Medium SAND, trace Gravel (Possible Back Fill)										
Very Loose Gray, Moist SILTY LOAM										
Stiff Gray CLAY										

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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016-W886										
Station (Wall - R)										
BORING NO. BER-2					Groundwater Elev.:					
Station 122+58.19					First Encounter	6.9 ft				
Offset 24.54ft (WW)					Upon Completion					
Ground Surface Elev. 18.85					After Hrs.					
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM										
Very Loose to Medium Dense Brown to Gray, Medium to Fine SAND										
Very Loose Gray SILTY LOAM										
Very Stiff Gray CLAY										

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Date 6/16/04

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SECTION (2021-922 PT 1.2&2122-921) LOCATION Chicago, Illinois

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
016-W886										
Station (Wall - R)										
BORING NO. BER-3					Groundwater Elev.:					
Station 122+83.34					First Encounter	10.0 ft				
Offset 5.53ft (WW)					Upon Completion					
Ground Surface Elev. 18.98					After Hrs.					
Asphalt, 2"					Very Stiff					
Concrete, 10"					Gray					
Sub Base (FILL)					CLAY (continued)					
Very Loose to Medium Dense Brown to Gray, Medium to Fine SAND										
Very Loose Gray SILTY LOAM										
Very Stiff Gray CLAY										

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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Date 7/13/04

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SECTION (2021-922 PT 1.2 & 2122-921) LOCATION Chicago, Illinois

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
016-W887, W965										
Station (Wall - R)										
BORING NO. BER-8					Groundwater Elev.:					
Station 122+88.12					First Encounter	2.1 ft				
Offset -40.01ft (WW)					Upon Completion					
Ground Surface Elev. 3.59					After Hrs.					
Asphalt, 3"					Hard					
Concrete, 11"					Gray					
Sub Base (FILL)					SILTY CLAY LOAM (continued)					
Very Loose to Loose Brown SAND										
Very Stiff to Hard Gray CLAY										
Hard Gray SILTY CLAY LOAM										

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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SECTION (2021-922 PT 1.2&2122-921) LOCATION Chicago, Illinois

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
016-W886										
Station (Wall - R)										
BORING NO. BER-3					Groundwater Elev.:					
Station 123+32.64					First Encounter	6.6 ft				
Offset 24.27ft (WW)					Upon Completion					
Ground Surface Elev. 18.51					After Hrs.					
Asphalt, 2"					Stiff to Very Stiff					
Concrete, 12"					Gray					
Sub Base (FILL)					CLAY (continued)					
Medium Dense to Very Dense Brown SAND, Some Gravel (Possible Back Fill)										
Very Loose Gray, Moist SILTY LOAM										
Stiff to Very Stiff Gray CLAY										

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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016-W886										
Station (Wall - R)										
BORING NO. BER-3					Groundwater Elev.:					
Station 123+32.64					First Encounter	6.6 ft				
Offset 24.27ft (WW)					Upon Completion					
Ground Surface Elev. 18.57					After Hrs.					
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)										
Very Loose to Loose Brown to Gray, Medium to Fine SAND										
Very Loose Gray SILTY LOAM										
Very Stiff Gray CLAY										

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.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
016-W886										
Station (Wall - R)										
BORING NO. BER-2					Groundwater Elev.:					
Station 123+52.96					First Encounter	9.9 ft				
Offset 0.05ft (WW)					Upon Completion					
Ground Surface Elev. 18.94					After Hrs.					
Asphalt, 2"					Very Stiff to Hard					
Concrete, 10"					Gray, trace gravel					
Dark Brown Sand, trace Brick Chips (FILL)					SILTY CLAY LOAM					
Very Loose to Loose Brown to Gray, Medium to Fine SAND										
Very Loose Gray SILTY LOAM										
Very Stiff Gray CLAY										

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	272
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		62693

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**CTE ENGINEERS**  
CONSCOR TOWNSEND ENVIRONMENTAL ENGINEERS, INC.  
303 EAST WACKER DRIVE, SUITE 800  
CHICAGO, ILLINOIS 60601-5212, PHONE: (312) 938-0300

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
SOIL BORING LOGS  
SOUTH WENTWORTH AVENUE RETAINING WALL  
SECTION 2021-922 PT.1-AC  
STATION 122+46.54 TO 130+53.87  
COOK COUNTY S.N. 016-W887-W965

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

10/22/2004 02:36:51 PM