

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	308
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 2 of 2  
Date 7/9/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.  
(2021-922 PT 1.2 & 2122-921)  
SECTION PT1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPT	BL	UC	MO	Surface Water Elev.	ft	DEPT	BL	UC	MO	Stream Bed Elev.	ft
016-W903-W906												
BORING NO. RWEb-4 Station 521+37.63 Offset -4.26ft (WELL) Ground Surface Elev. 17.74												
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)												
Possible Bed Rock @ 46' -28.25'												
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 (ASTM D206). BBS, from 137 (Rev. 8-99)

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AMERICAN GEOTECHNICAL, INC.  
SOIL BORING LOG  
Page 1 of 2  
Date 7/8/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.  
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SECTION PT1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPT	BL	UC	MO	Surface Water Elev.	ft	DEPT	BL	UC	MO	Stream Bed Elev.	ft
016-W903-W906												
BORING NO. RWEb-5 Station 521+34.53 Offset -5.21ft (WELL) Ground Surface Elev. 18.45												
Asphalt, 2" Concrete, 8.5' Sub Base (Fill) Loose to Medium Dense Brown, fine to coarse SAND (Possible Back Fill) Very Loose Gray SILTY LOAM Very Stiff Gray CLAY												
B/Ftg. Unit 4 El. 3.00												

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 (ASTM D206). BBS, from 137 (Rev. 8-99)

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Page 2 of 2  
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STRUCT. NO.	DEPT	BL	UC	MO	Surface Water Elev.	ft	DEPT	BL	UC	MO	Stream Bed Elev.	ft
016-W903-W906												
BORING NO. RWEb-5 Station 521+34.53 Offset -5.21ft (WELL) Ground Surface Elev. 18.45												
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)												
Possible Bed Rock @ 49' -30.45'												
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 (ASTM D206). BBS, from 137 (Rev. 8-99)

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Page 1 of 2  
Date 7/7/03

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY A.P.  
(2021-922 PT 1.2 & 2122-921)  
SECTION PT1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPT	BL	UC	MO	Surface Water Elev.	ft	DEPT	BL	UC	MO	Stream Bed Elev.	ft
016-W903-W906												
BORING NO. RWEb-6 Station 522+39.10 Offset -4.54ft (WELL) Ground Surface Elev. 19.21												
Asphalt, 3" Concrete, 7' Sub Base (Fill) Loose to Medium Dense Brown, fine to medium SAND (Possible Back Fill) Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM												
Very Loose Gray SILTY LOAM Very Stiff to Hard Gray CLAY												
B/Ftg. Unit 5 El. 2.00												

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 (ASTM D206). BBS, from 137 (Rev. 8-99)

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Page 2 of 2  
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SECTION PT1) R-4 LOCATION Chicago, Illinois  
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPT	BL	UC	MO	Surface Water Elev.	ft	DEPT	BL	UC	MO	Stream Bed Elev.	ft
016-W903-W906												
BORING NO. RWEb-6 Station 522+39.10 Offset -4.54ft (WELL) Ground Surface Elev. 19.21												
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM (continued)												
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 (ASTM D206). BBS, from 137 (Rev. 8-99)

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STRUCT. NO.	DEPT	BL	UC	MO	Surface Water Elev.	ft	DEPT	BL	UC	MO	Stream Bed Elev.	ft
016-W903-W906												
BORING NO. RWEb-7 Station 523+44.79 Offset -3.74ft (WELL) Ground Surface Elev. 18.79												
Asphalt, 2" Concrete, 10' Sub Base (Fill) Loose to Medium Dense Brown, fine to medium SAND, trace Clay (Fill) Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM												
Very Stiff to Hard Gray CLAY												
B/Ftg. Unit 5 El. 2.00												

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 (ASTM D206). BBS, from 137 (Rev. 8-99)

Sheet Eb20 of 23

**CTE ENGINEERS**  
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.  
303 EAST WALKER DRIVE, SUITE 600  
CHICAGO, ILLINOIS 60604-5202, 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 04:52:43 PM