F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	764	752
STA. 88+60 (SB I-57) 1126+91 (SB FORD) TO STA. 1313+00 (SB RYAN)				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717, & 1818) R-5				62593

Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1

Date 2/5/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station 79th Street

BORING NO. B79-2
Station 1306+08.25
Offset -3.44ft (SBDR)
Ground Surface Elev. -7.31 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion ft
After Hrs. ft

Description	Depth (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 6" -7.81				
Concrete, 8" -8.48				
Sub Base, Gravel (FILL) -9.15		5		
Hard Gray SILTY CLAY LOAM -10.65		5 6	5.5 B	14.0
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		7		
		8 8	6.9 B,S	10.0
	-5			
		12		
-14.81		8 12	6.5 B,S	10.0
Medium Dense to Dense Gray SILT		11		
		12 16		12.0
	-10			
		12		
		24 20		10.0
-19.81				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		11		
		11 14	4.9 B,S	18.0
	-15			
		7		
		9 10	5.8 S	11.0
		11		
		12 12	7.7 B,S	11.0
-27.31	-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)

Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

SOIL BORING LOG

Page 1 of 1

Date 2/3/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY R.P.

SECTION LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station 79th Street

BORING NO. B79-3
Station 1308+51.45
Offset -4.40ft (SBDR)
Ground Surface Elev. -8.45 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion ft
After Hrs. ft

Description	Depth (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 6" -8.95				
Concrete, 8" -9.65				
Sub Base, Gravel (FILL) -10.12		5		
Hard Gray SILTY CLAY LOAM		6 7	4.9 B	16.0
		5		
		5 7	4.5 B	16.0
	-5			
		9		
		10 18	7.9 S	13.0
-15.95				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		14		
		14 15	13.3 S	14.0
	-10			
		15		
		12 13	>4.5 P	12.0
		9		
8 inches Sand Seam		10 11		
	-15			
		8		
		10 13	6.2 S	12.0
		11		
		12 14	5.9 S	9.0
-28.45	-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)

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TY·LIN INTERNATIONAL

SHEET 63 OF 64

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

SOIL BORINGS B79-2 & B79-3

SCALE: N.T.S. DRAWN BY: MPG

DATE: MARCH 1, 2006 CHECKED BY: JPM