F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	764	751
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 SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

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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 87th Street

BORING NO. B87-6
Station 1257+78.81
Offset -3.30ft (SBDR)
Ground Surface Elev. -10.78 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 4" -11.11			
Concrete, 8" -11.78			
Sub Base, Gravel (FILL) -12.28	8		
Hard Gray SILTY CLAY LOAM	9 8	6.2 B	13.0
	7		
-15.78 -5	9 9	5.0 B	13.0
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	8		
	8 9	7.4 B,S	12.0
	6		
	7 12	6.9 B,S	12.0
-18			
	19		
	22 23	6.9 S	9.0
-23.28			
Very Dense Gray SILTY LOAM	21		
	32 33		8.0
-15			
	17		
	28 32		8.0
	14		
	36 34		9.0
-30.78 -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 SOIL BORING LOG

Division of Highways
AMERICAN GEOENGINEERING, INC.

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 87th Street

BORING NO. B87-8
Station 1260+03.89
Offset -2.98ft (SBDR)
Ground Surface Elev. -8.95 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt, 5" -9.45			
Concrete, 8" -10.12			
Sub Base, Gravel (FILL) -10.79	8		
Gray Clay and Sand (FILL)	7 11		11.0
	12		
	12 18		10.0
-13.95 -5			
Very Stiff to Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM	10		
	12 13	8.0 S	11.0
	6		
	12 15	7.7 S	11.0
-18			
	14		
	20 25	3.6 S	10.0
	9		
	19 25	11.4 S	10.0
-23.95 -15			
Very Dense Gray SILT / SILTY LOAM	13		
	32 35		8.0
-26.45			
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM	14		
	32 38	6.3 S	8.0
-28.95 -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 62 OF 64

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS B87-6 & B87-8

SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM