

ROUTE F.A.I. 1-90 / 1-94 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY D.G.
 SECTION (2021-922 PT 1.242122-921) LOCATION Chicago, Illinois
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	7 TEF3	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(W011 - R)	E	L	C	O	Stream Bed Elev.	ft	E	L	C	O
BORING NO.	BER-1	T	W	S	Qu	Groundwater Elev.:	ft	T	W	S	Qu
Station	121+83.65	H	S	Qu	T	First Encounter	ft	H	S	Qu	T
Offset	23.43ft (WW)										
Ground Surface Elev.	18.93	ft	ft	1/6"	tsf	(%)	ft	ft	1/6"	tsf	(%)
Asphalt, 2"											
Concrete, 12"											
Sub-Base (FILL)											
Medium Dense Brown, Fine SAND (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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Station	121+83.65	H	S	Qu	T	First Encounter	ft	H	S	Qu	T
Offset	23.43ft (WW)										
Ground Surface Elev.	18.93	ft	ft	1/6"	tsf	(%)	ft	ft	1/6"	tsf	(%)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM											
End of Boring											

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STRUCT. NO.	7 TEF2	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(W011 - R)	E	L	C	O	Stream Bed Elev.	ft	E	L	C	O
BORING NO.	BER-6	T	W	S	Qu	Groundwater Elev.:	ft	T	W	S	Qu
Station	125+55.15	H	S	Qu	T	First Encounter	ft	H	S	Qu	T
Offset	0.81ft (WW)										
Ground Surface Elev.	18.63	ft	ft	1/6"	tsf	(%)	ft	ft	1/6"	tsf	(%)
Asphalt, 3"											
Concrete, 12"											
Sub-Base (FILL)											
Dark Brown Sand, Gravel and Brick Chips (FILL)											
Loose to Medium Dense Gray SAND, trace Gravel (Possible Back Fill)											
Very Loose Gray, Moist SILTY LOAM											
Stiff to Very Stiff Gray CLAY											

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BORING NO.	BER-6	T	W	S	Qu	Groundwater Elev.:	ft	T	W	S	Qu
Station	125+55.15	H	S	Qu	T	First Encounter	ft	H	S	Qu	T
Offset	0.81ft (WW)										
Ground Surface Elev.	18.63	ft	ft	1/6"	tsf	(%)	ft	ft	1/6"	tsf	(%)
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM											
Loose to Medium Dense Brown, Fine SAND (Possible Back Fill)											
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM											
End of Boring											

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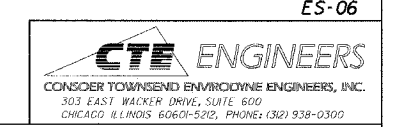
STRUCT. NO.	7 TEF1	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	(W011 - R)	E	L	C	O	Stream Bed Elev.	ft	E	L	C	O
BORING NO.	BER-11	T	W	S	Qu	Groundwater Elev.:	ft	T	W	S	Qu
Station	129+09.57	H	S	Qu	T	First Encounter	ft	H	S	Qu	T
Offset	-3.31ft (WW)										
Ground Surface Elev.	18.30	ft	ft	1/6"	tsf	(%)	ft	ft	1/6"	tsf	(%)
Asphalt, 3"											
Concrete, 12"											
Sub-Base (FILL)											
Loose to Medium Dense Brown, Fine SAND (Possible Back Fill)											
Hard / Very Dense Gray SILTY CLAY LOAM											
Loose Gray, Moist SILTY LOAM											
Stiff Gray CLAY											
End of Boring											

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BORING NO.	BER-11	T	W	S	Qu	Groundwater Elev.:	ft	T	W	S	Qu
Station	129+09.57	H	S	Qu	T	First Encounter	ft	H	S	Qu	T
Offset	-3.31ft (WW)										
Ground Surface Elev.	18.30	ft	ft	1/6"	tsf	(%)	ft	ft	1/6"	tsf	(%)
Very Stiff to Hard Gray CLAY LOAM (continued)											
Hard / Very Dense Gray SILTY CLAY LOAM / SILTY LOAM											
End of Boring											

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 63rd ST TO 59th ST (FRONTAGE ROAD & RAMPS)
 HIGH MAST TOWER FOUNDATION
 SOIL BORINGS - SHEET 5

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

10/29/2004 02:57:02 PM