



### SOIL BORING LOG

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Date 2/3/05

ROUTE	F.A.I. 1-94 / I-90		DESCRIPTION	Don Ryan Expressway (I-91-419-01)		LOGGED BY	RP
SECTION	Cook		LOCATION	Chicago, Illinois		COUNTY	Cook
DRILLING METHOD	Hollow Stem Auger		HAMMER TYPE	Automatic			
STRUCT. NO.	69th Street		STATION	2312+06.40		BORING NO.	B69-1
DEPTH	D	B	U	M	Surface Water Elev.	ft	
	E	L	L	C	Stream Bed Elev.	ft	
	P	O	O	S	Groundwater Elev.	ft	
	T	W	H	S	First Encounter	ft	
	H	S	Ou	T	Upon Completion	ft	
Offset	2.77ft (NBDR)						
Ground Surface Elev.	-6.71						
Soil Description	ft	ft	ft	ft	ft	ft	ft
Concrete, P	-7.21						
Sub Base, Gravel (FILL)	-7.96						
Hard Clay	-8.96	5					
Hard Clay	-10.46	4	4.3	15.0			
Hard Clay		5	B				
Hard Clay		7	5.8	12.0			
Hard Clay		10	B				
Hard Clay		8	6.2	11.0			
Hard Clay		10	8.5				
Hard Clay		7	7.7	11.0			
Hard Clay		10	8.5				
Hard Clay		12	5.4	13.0			
Hard Clay		11	S				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	-19.21	14	4.5	12.0			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		10	P				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		8	5.6	12.0			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		12	S				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		13	S				
Very Soft Gray CLAY	-24.21	6	8.25	16.0			
Very Soft Gray CLAY		9	P				
End of Boring	-26.71						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parasitic)  
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B65, from 137 Rev. 8-99



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SECTION	Cook		LOCATION	Chicago, Illinois		COUNTY	Cook
DRILLING METHOD	Hollow Stem Auger		HAMMER TYPE	Automatic			
STRUCT. NO.	69th Street		STATION	2315+11.11		BORING NO.	B69-3
DEPTH	D	B	U	M	Surface Water Elev.	ft	
	E	L	L	C	Stream Bed Elev.	ft	
	P	O	O	S	Groundwater Elev.	ft	
	T	W	H	S	First Encounter	ft	
	H	S	Ou	T	Upon Completion	ft	
Offset	6.70ft (NBDR)						
Ground Surface Elev.	-6.28						
Soil Description	ft	ft	ft	ft	ft	ft	ft
Concrete, P	-6.28						
Sub Base, Gravel (FILL)	-7.53						
Hard Clay	-8.28	4					
Hard Clay		5	5.2	16.0			
Hard Clay		6	B				
Hard Clay		6	4.8	16.0			
Hard Clay		7	B				
Hard Clay		7	4.9	12.0			
Hard Clay		15	S				
Hard Clay		6	6.2	13.0			
Hard Clay		8	8.5				
Hard Clay		9	7.3	13.0			
Hard Clay		10	S				
Hard Clay		8	6.8	13.0			
Hard Clay		11	B				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	-21.28	9	8.0	13.0			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		11	8.5				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		9	8.0	13.0			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		11	8.5				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		9	8.5	12.0			
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM		9	B				
End of Boring	-26.28						

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Date 1/31/05

ROUTE	F.A.I. 1-94 / I-90		DESCRIPTION	Don Ryan Expressway (I-91-419-01)		LOGGED BY	RP
SECTION	Cook		LOCATION	Chicago, Illinois		COUNTY	Cook
DRILLING METHOD	Hollow Stem Auger		HAMMER TYPE	Automatic			
STRUCT. NO.	63rd Street		STATION	2421+52.32		BORING NO.	B63-1
DEPTH	D	B	U	M	Surface Water Elev.	ft	
	E	L	L	C	Stream Bed Elev.	ft	
	P	O	O	S	Groundwater Elev.	ft	
	T	W	H	S	First Encounter	ft	
	H	S	Ou	T	Upon Completion	ft	
Offset	2.21ft (NBDR)						
Ground Surface Elev.	3.71						
Soil Description	ft	ft	ft	ft	ft	ft	ft
Concrete, P	-2.89						
Sub Base, Gravel (FILL)	-2.91						
Light Brown to Gray Loam SAND		4					
Light Brown to Gray Loam SAND		2					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		2					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		2					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		3					
Light Brown to Gray Loam SAND		2					
Light Brown to Gray Loam SAND		4	2.8	15.0			
Light Brown to Gray Loam SAND		7	B				
Light Brown to Gray Loam SAND		6	2.5	17.0			
Light Brown to Gray Loam SAND		10	B				
Light Brown to Gray Loam SAND		5					
Light Brown to Gray Loam SAND		7		12.0			
Light Brown to Gray Loam SAND		11					
Light Brown to Gray Loam SAND		13	5.1	13.0			
Light Brown to Gray Loam SAND		17	B				
Light Brown to Gray Loam SAND		11					
Light Brown to Gray Loam SAND		12	5.3	14.0			
Light Brown to Gray Loam SAND		18	B				
Light Brown to Gray Loam SAND		18	B				
End of Boring	-16.29						

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ROUTE	F.A.I. 1-94 / I-90		DESCRIPTION	Don Ryan Expressway (I-91-419-01)		LOGGED BY	RP
SECTION	Cook		LOCATION	Chicago, Illinois		COUNTY	Cook
DRILLING METHOD	Hollow Stem Auger		HAMMER TYPE	Automatic			
STRUCT. NO.	63rd Street		STATION	2427+40.90		BORING NO.	B63-5
DEPTH	D	B	U	M	Surface Water Elev.	ft	
	E	L	L	C	Stream Bed Elev.	ft	
	P	O	O	S	Groundwater Elev.	ft	
	T	W	H	S	First Encounter	ft	
	H	S	Ou	T	Upon Completion	ft	
Offset	1.53ft (NBDR)						
Ground Surface Elev.	3.66						
Soil Description	ft	ft	ft	ft	ft	ft	ft
Concrete, P	-2.74						
Sub Base, Gravel (FILL)	-2.81						
Very Stiff to Hard Gray SILTY CLAY LOAM		6	3.4	16.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		7	B				
Very Stiff to Hard Gray SILTY CLAY LOAM		4					
Very Stiff to Hard Gray SILTY CLAY LOAM		5	5.3	14.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		7	B				
Very Stiff to Hard Gray SILTY CLAY LOAM		13					
Very Stiff to Hard Gray SILTY CLAY LOAM		6	4.3	18.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		1	B				
Very Stiff to Hard Gray SILTY CLAY LOAM		5					
Very Stiff to Hard Gray SILTY CLAY LOAM		6	4.5	18.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		10					
Very Stiff to Hard Gray SILTY CLAY LOAM		10	3.6	18.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		11	B				
Very Stiff to Hard Gray SILTY CLAY LOAM		7					
Very Stiff to Hard Gray SILTY CLAY LOAM		9	8.1	13.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		11	8.5				
Very Stiff to Hard Gray SILTY CLAY LOAM		13	9.4	12.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		15	S				
Very Stiff to Hard Gray SILTY CLAY LOAM		12	7.9	13.0			
Very Stiff to Hard Gray SILTY CLAY LOAM		15	B				
End of Boring	-8.84						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Parasitic)  
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### SOIL BORING LOG

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Date 1/24/05

ROUTE	F.A.I. 1-94 / I-90		DESCRIPTION	Don Ryan Expressway (I-91-419-01)		LOGGED BY	RP
SECTION	Cook		LOCATION	Chicago, Illinois		COUNTY	Cook
DRILLING METHOD	Hollow Stem Auger		HAMMER TYPE	Automatic			
STRUCT. NO.	55th Street		STATION	2476+17.20		BORING NO.	B55-2
DEPTH	D	B	U	M	Surface Water Elev.	ft	
	E	L	L	C	Stream Bed Elev.	ft	
	P	O	O	S	Groundwater Elev.	ft	
	T	W	H	S	First Encounter	ft	
	H	S	Ou	T	Upon Completion	ft	
Offset	0.77ft (NBDR)						
Ground Surface Elev.	0.64						
Soil Description	ft	ft	ft	ft	ft	ft	ft
Concrete, P	-8.34						
Sub Base, Gravel (FILL)	-8.16						
Hard Clay	-8.99	6					
Hard Clay		6	4.6	15.0			
Hard Clay		7	B				
Hard Clay		6					
Hard Clay		8	4.5	14.0			
Hard Clay		7	P				
Hard Clay		7					
Hard Clay		5	2.2	18.0			
Hard Clay		5	B				
Hard Clay		5	1.9	18.0			
Hard Clay		11	B				
Hard Clay		7	2.0	13.0			
Hard Clay		11	B				
Hard Clay		23	6.7	12.0			
Hard Clay		20	S				
Hard Clay		9					
Hard Clay		16	4.5	11.0			
Hard Clay		25	P				
End of Boring	-19.16						

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