



Illinois Department of Transportation
Division of Highways
Geotechnology

SOIL BORING LOG

Page 1 of 1
Date 11/2/00

ROUTE FAI 64 DESCRIPTION Trilevel Interchange LOGGED BY BEC
SECTION 082-2-1HB LOCATION SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO.	082-0378	DEPT	B	U	M	Surface Water Elev.	Unknown ft
Station	NA	P	L	C	O	Stream Bed Elev.	Unknown ft
BORING NO.	B-18	T	W	S	I	Groundwater Elev.:	
Station	16+00	H	S	O	S	First Encounter	** ft
Offset	57.00ft Right	I	S	U	T	Upon Completion	** ft
Ground Surface Elev.	420.00 ft	(ft)	(/6")	(tsf)	(%)	After ** Hrs.	** ft
CRYSTALLINE LIMESTONE - See Rock Core Log	299.50						
	-128						
	-130						
End of Boring	289.50						
	-138						
	-140						

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)
* Rimac attempted, not measured due to sample disturbance BBS, from 137 (Rev. 8-99)
** Not measured due to drilling methods used



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Page 1 of 1
Date 10/31/00

ROUTE FAI 64 DESCRIPTION Trilevel Interchange LOGGED BY SWG
SECTION 082-2-1HB LOCATION SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

STRUCT. NO.	082-0378	DEPT	B	U	M	Surface Water Elev.	Unknown ft
Station	NA	P	L	C	O	Stream Bed Elev.	Unknown ft
BORING NO.	B-19	T	W	S	I	Groundwater Elev.:	
Station	19+12	H	S	O	S	First Encounter	** ft
Offset	58.00ft Left	I	S	U	T	Upon Completion	** ft
Ground Surface Elev.	419.50 ft	(ft)	(/6")	(tsf)	(%)	After ** Hrs.	** ft
Gray, SILTY CLAY (FILL)							
	5						
	6	2.5	17				
	5	P					
	416.00						
Soft to medium stiff, gray, SILTY CLAY	2						
	5	*	19				
	5						
	394.50-25						
Soft, gray, SILTY LOAM	2						
	4	2.1	28				
	4	S					
	391.00						
Medium dense to dense, brown, FINE to MEDIUM GRAINED SAND with laminations of black organic material @ 53'-55.5'	1						
	1	0.8	30				
	2	P					
	-10						
	391.00						
Medium dense to dense, brown, FINE to MEDIUM GRAINED SAND with laminations of black organic material @ 53'-55.5'	6						
	12						
	14						
	-39						
See Attached Gradation Test Results							
	2						
	1	1.7	21				
	2	S					
	1						
	2	*	21				
	3						
	404.50 -15						
Soft, gray, SILTY LOAM	1						
	1	1.6	32				
	2	S					
	1						
	1	1.7	36				
	3	S					
	399.50 -23						

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COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

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BORING NO.	B-19	T	W	S	I	Groundwater Elev.:	
Station	19+12	H	S	O	S	First Encounter	** ft
Offset	58.00ft Left	I	S	U	T	Upon Completion	** ft
Ground Surface Elev.	419.50 ft	(ft)	(/6")	(tsf)	(%)	After ** Hrs.	** ft
Medium dense to dense, brown, FINE to MEDIUM GRAINED SAND with laminations of black organic material @ 53'-55.5'							
	2						
	3	0.5					
	2	P					
	394.50-25						
Soft, gray, SILTY LOAM	6						
	5						
	7						
	391.00						
Medium dense to dense, brown, FINE to MEDIUM GRAINED SAND with laminations of black organic material @ 53'-55.5'	6						
	12						
	14						
	-39						
See Attached Gradation Test Results							
	9						
	14						
	13						
	-39						
See Attached Gradation Test Results							
	6						
	9						
	14						
	18						
	16						
	-50						
	362.50						
Loose, brown, FINE to MEDIUM GRAINED SAND with fragments of light brown, highly weathered limestone	6						
	5						
	5						
	3						
	359.50 -60						

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