



Illinois Department  
of Transportation  
Division of Highways  
DOT - Region 5/Div 5

### SOIL BORING LOG

Page 1 of 1

Date 11/3/09

ROUTE FA 332 (IL Rt. 1) DESCRIPTION Mast Arm on IL 1NB at FAI 74EB On Ramp LOGGED BY CNA

SECTION LOCATION SW. SEC. 17, TWP. 19N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 S001  
L027.29  
Station 3046+09

BORING NO. 1 Mast Arm  
Station 3046+22  
Offset 69.0 ft Rt.  
Ground Surface Elev. 636.2 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	S	T	Groundwater Elev.:	T	W	S	T
H	S	Qu	T	First Encounter	H	S	Qu	T
				Upon Completion				
				After				
(ft)	(6")	(tsf)	(%)	ft	(ft)	(6")	(tsf)	(%)

Black Silty Clay Loam (Topsoil)	635.2				Brown Oxidized Dirty Coarse Sand with Free Water (continued)			
Gray/Brown Mottled Silty Clay				614.7		8		
					Gray Sand Loam Till with Shale & Gravel Inclusions (Drilled Very Rough)		23	10
						26		
				2				
				3	612.2	4		
		0.9	17					
		B						
				3		18		13
				3	611.2	24		
				-5				
					End of Boring			
Brown/Gray Silty Clay Loam Till	630.2							
				2				
				3		1.0	14	
				6		B		
				0				
Gray/Brown Sandy Clay Loam Till	627.2							
				2		1.0	15	
				3		E		
				-10				
				2				
				4		1.0	11	
				6		B		
				2				
				2		1.8	12	
				-15		B		
Brown/Gray Sand Loam Till	620.2							
				2				
				2		4.5	9	
				3		P		
				1	617.7			
Brown Oxidized Dirty Coarse Sand with Free Water								
				1				
				2				
				-20				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.  
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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### SOIL BORING LOG

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Date 10/2/07

ROUTE Illinois Rt. 1 DESCRIPTION Mast Arm on IL Rt. 1 SB at FAI 74 Ramp LOGGED BY CNA

SECTION LOCATION SW. SEC. 17, TWP. 19N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 092 S001  
R027.13  
Station 52+00

BORING NO. 1 Mast Arm  
Station 52+14  
Offset 27.0 ft Rt.  
Ground Surface Elev. 630.9 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	S	T	Groundwater Elev.:	T	W	S	T
H	S	Qu	T	First Encounter	H	S	Qu	T
				Upon Completion				
				After				
(ft)	(6")	(tsf)	(%)	ft	(ft)	(6")	(tsf)	(%)

Brown Sandy Loam with Broken Bricks & Concrete (Embankment)					Gray Massive Shale (Bedrock) (continued)			
					(Drilled Hard)			
				4			20	
				3			37	9
				5			50-5"	
				-5				
					End of Boring			
				2				
				3	623.9	2.1	20	
				4		S		
				2				
				3		2.3	11	
				5	620.9	S		
				-10				
				6				
				16			6	
				20				
				8	616.9			
				23			11	
				-15				
				3				
				9		3.7	13	
				13		S		
				-20				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.  
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)

FILE NAME =	USER NAME = oar-lockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORING LOGS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwwd\CEARLOCKJD\818015\ND46118-sh1-BLOG.dgn		DRAWN -	REVISED -			*	D-5 OSS REPL 2010-46	Various	77	72	
PLDT SCALE = 48.0000' / IN.		CHECKED -	REVISED -			* Various					CONTRACT NO. 46110
PLDT DATE = 1/21/2010		DATE -	REVISED -								ILLINOIS FED. AID PROJECT