

SOIL BORING LOG

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Date 02/10/12

 ROUTE
 FAP Route 42 (IL 127)
 DESCRIPTION
 IL 127 Over Kaskaskia River
 LOGGED BY SCI (HHF)

 SECTION
 1-1BR-2
 LOCATION Carlyle, IL, SEC. 31, TWP. 2N, RNG. 2W

SECTION	1-1BR-2	I	LOCAT	ION _	Carlyle	e, IL, SEC. 31, TWP. 21	N, RNG. 2W				
COUNTY	Clinton	DRILLING ME	THOD		N	IUD ROTARY	HAMMER TYPE		Auto	matic	
Station	014-0014 140+00	E	B L O W	U C S	M 0 1 s	Surface Water Elev. Stream Bed Elev. Groundwater Elev.:	418.3 ft	D E P T	B L O W	U C S	M O I S
Station	B-3 132+39	H	s	Qu	Ť	First Encounter	ft	н	s	Qu	T
Offset	9 ft RT ace Elev. 436		(/6")	(tsf)	(%)	Upon Completion After Hrs.	ft ft	(ft)	(/6")	(tsf)	(%)
ASPAHLT - 3.	5 inches CONCRETE -	435.7 435.1				CLAY: Brown, trace gravel	sand and	_			
7.25 inches	w bridge deck	/				[A-7-6] <i>(continued)</i> becomes brown a	nd gray	_	1 3 2	0.7 B	27
		_					413.0	_	2		
		_				CLAY: Brown and gr gravel [A-6]	ray, trace	_	2		
						Atterberg limits te	st performed	-25	2 4	1.7 S/20	25
		_						_			
		_	_					_	1 1 3	1.0 B	28
		_						_			
						increasing sand of Atterberg limits te		-30	1 1 2	0.4 B	29
											25
		_				SAND: Brown and g	ray, fine404.0	_	2 2 4	0.6 B	25
						[A-3]	402.5				
		_				SANDY LOAM: Gray [A-2] GSA performed	y	_	2 2	NC	
						GSA periorified	400.5	-35	2		
			-			SAND: Gray and bla medium	ick, fine to	_	2		
Flowing water		419.2				[A-2]		_	3	NC	
Began mud	d rotary drilling at	18				Rough drilling, drilling			3		
	, trace sand and		3	0.5		indicated gravel SAND: Brown and g	ray, fine to	_	10	NC	
ĬA-7-61	mits test performe	ed -20	2 2	0.5 B	32	medium [A-2]	396.0	-40	3 5	INC	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted
BBS, form 137 (Rev. 8-99)



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STRUCT. No.	COUNTY Clinton DRI	ILLING MI	ETHOD		M	IUD ROTARY	HAMMER TYPE	Automatic
Station 132+39 Offset 9 ft RT Ground Surface Elev 436.0 ft (ft) (fe") (fs") (fs"	STRUCT. NO. 014-0014	D E	B L	U	M O	Surface Water Elev.	419.2 ft	
GSA performed lost mud rotary return no sample recovery	Station 132+39 Offset 9 ft RT	_ H	S		Т	First Encounter Upon Completion	ft	
lost mud rotary return no sample recovery SAND: Brown, with gravel, trace clay [A-2] GSA performed Interbedded fine sand [A-3] and coarse gravel [A-1] seams Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft.		` .		(/	(,	Aitei IIIs.		
no sample recovery 7 10 NC SAND: Brown, with gravel, trace clay 5 5 NC GSA performed 45 4 Interbedded fine sand [A-3] and coarse gravel [A-1] seams 18 50/6" Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft50 -55 -55 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5		-						
SAND: Brown, with gravel, trace clay [A-2] GSA performed Interbedded fine sand [A-3] and coarse gravel [A-1] seams Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft. 5 NC 50/0" NA NA Solution NA Solution NA Solution NA Solution Solu	no sample recovery		7	NC				
Clay [A-2] GSA performed Interbedded fine sand [A-3] and coarse gravel [A-1] seams Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft. 5000 NA Section 15000		393.0						
Interbedded fine sand [A-3] and coarse gravel [A-1] seams	lay A-21	_		NC				
and coarse gravel [A-1] seams	GSA performed	4						
Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft.		_	12					
Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft.	and coarse gravel [A-1] seams	_		NC				
Spoon Sampler Refusal at 48.0 ft Boring grouted to 48 ft. -50 -50 -55 -55	Aud Potany Bit Pefusal and Split	388.0	50/0"					
	Spoon Sampler Refusal at 48.0 ft	_	(30/0)	NA				
	Boring grouted to 48 ft.	-5	0					
		_	-					
		_	-					
		5	5					
		_						

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USER NAME =	DESIGNED - RLM	REVISED
	CHECKED - JTH	REVISED
PLOT SCALE =	DRAWN - PRC	REVISED
PLOT DATE = 2/1/2013	CHECKED - RLM	REVISED

SOIL BORING LOG B-3	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
STRUCTURE NO. 014-0033	42	1-1BR-2		CLINTON	159	122
3111001011E NO. 014-0033				CONTRACT	NO.	6479
SHEET NO. 53 OF 61 SHEETS		ILLINOIS FE	D PROJECT			