(P)	Illinois Department of Transportation
	Division of Highways

SOIL BORING LOG

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·	SCI En	gineering				_				Date	2/7-8	/2012
ROUTE	FAP Route 42 (IL 127)	DE	SCR	IPTION			IL 127 Over Kaskaskia	River L	oggi			
SECTION	1-1BR-2		_	LOCAT	ION _	Carlyle	e, IL, SEC. 31, TWP. 2N	I, RNG. 2W				
COUNTY	Clinton DR	ILLING	ME	THOD			HSA	_ HAMMER TYPE		Auto	matic	
Station	0. <u>014-0014</u> 140+00	_	D E P	B L O	U C S	M 0 1	Surface Water Elev. Stream Bed Elev.	ft ft	D E P	B L O	U C S	M 0 1
Station _	D. B-8 141+51 32 ft LT	_	H	s	Qu	S T	Groundwater Elev.: First Encounter Upon Completion	ft ft	H	w s	Qu	S T
	urface Elev. 435.5	ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
	ned gravel, clay, sand -	435.3 434.5	_				WEATHERED SAND Gray (continued)	STONE:	_			
[A-6]	clay, brown, trace sand		_	3 2 3	1.4 S/15	24			_	50/5"	NA	7
FILL: Silt, b	rown to brown and	432.5	_	3				411.5	_	50/4.5*	NA	8
[A-4] Sample UCS test	too disturbed for a		-5	3 4	NC	21	Borehole continued w coring.	ith rock	-25			
Sample UCS test	too disturbed for a		_	4 7 7	NC	15 15						
SANDY CL	AY: Brown	426.8	_	1 3	1.3	18			_			
[A-6] Atterberg	g limits test performed		-10	1 -	В				-30			
coarse	AM: Brown, fine to	_425.0	_	3					_			
[A-2] GSA perfe	ormed	400 -	_	7 12	NC	11			_			
SANDY CL gravel, iron [A-6]	AY: Brown, with staining	422.5	_	50/3"	_NA_	_14_			Ξ			
Sample UCS test Atterberg	too disturbed for a	420.5	-15						-35			
WEATHER Gray	ED SANDSTONE:		_	50/5"	_NA_	8			_			
			_						Ξ			
			_	50/5"	NA	8			_			

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 BSS, form 137 (Rev. 8-99)

Division of Highways SCI Engineering ROCK CO	KEI	_0	JG		D-4	e 2/7-8	120
ROUTE FAR ROUTE AND ALL AND AL	alata Disa						
FAP Route 42 (IL 127) DESCRIPTION IL 127 Over Kaskas				_ LO	GGED E	Y SCI	(НН
SECTION 1-1BR-2 LOCATION Carlyle, IL, SEC. 31, TWP	. 2N, RN	G . 2\					
COUNTY Clinton CORING METHOD Wireline			R	R	CORE	S T	M
STRUCT. NO. 014-0014 140+00 CORING BARREL TYPE & SIZE NX Station 140+00 Core Diameter 2.25 in 170 of Rock Elev. in 149.5 in 180 in 1	D E P	C O R	0 V E	Q D	T I M E	R E N G	1 1 1
Station 141+51 Begin Core Elev. 411.5 ft	T H	E	R			T H	F
Offset 32 ft LT Ground Surface Elev. 435.5 ft	(ft)	(#)	(%)	(%)(r	nin/ft)	(tsf)	(%
ARGILLACEOUS SANDSTONE: Dark gray, fine grained, hard, slightly weathered 41	11.5	1	100	100	2.2		Ė
	25						
	_						
1/4" SHALE seam							
1/4" SHALE seam	_						
4(07.5					2.8	6
SILTSTONE: Gray, moderately hard, slightly to moderately weathered	06.5						
SHALE: Dark gray, very soft, highly weathered	.0.0	2	100	93	2.3		Т
1/2" SHALE seam	30					0.3	7.
	04.3						
IMESTONE: Light gray and gray, very hard, slightly weathered, fossiliferous	14.3						
Parting	_						
Partially infilled parting	-						
Partially infilled parting							
	35						
	_					402.0	1
	_						
30	96.5						
Boring terminated at 39.0 ft.							
	40						
	_						
		l				1	
	-	l					

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)



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COUNTY TOTAL SHEET NO.

CLINTON 159 130

CONTRACT NO. 76479

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Boring grouted to 17.92 ft.



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