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Division SCI Eng	n of Highw gineering	vays			SC	OIL BORING LOG				
ROUTE FAP Route 42 (IL 127)	_ DES	SCRI	PTION	٧		IL 127 Over Kaskaskia River LO	OGGI	Date ED BY		
SECTION1-1BR-2		_ L	.OCAT	ION _	Carlyle	e, IL, <b>SEC.</b> 31, <b>TWP.</b> 2N, <b>RNG.</b> 2W				
COUNTY Clinton DR	ILLING	ME.	THOD		HS	SA w/mud rotary HAMMER TYPE		Ма	nual	
STRUCT. NO. 014-0014 Station 140+00		D E P	B L O	U C S	M 0 1	Surface Water Elev ft Stream Bed Elev ft	D E P	B L O	U C S	M 0 1
BORING NO.         B-1           Station         128+72           Offset         28 ft LT	_ _ 	H (ft)	W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter 412.0 ft  Upon Completion ft	T H (ft)	W S (/6")	Qu (tsf)	S T (%)
Ground Surface Elev. 435.5  CLAY: Brown and gray, trace	_ π	(1.1)	(,0 )	(131)	(70)	After Hrs ft  SILTY CLAY: Gray and brown,	(1.1)	(,0,)	(131)	(70)
sand [A-6]		_	4 6 8	4.5 HP	12	trace sand [A-6] (continued)	_	2 5 7	2.4 B	25
CANDY CLAV. Brown	432 N	$\exists$					_			
SANDY CLAY: Brown [A-7-6]	402.0	-5	2 2 3	0.7 S/14	17	Atterberg limits test performed	-25	2 3 4	0.6 B	27
		-				SILTY LOAM: Brown and gray	. –			
Atterberg limits test performed SILT: Gray, trace gravel [A-4]	<u>428.5</u>		2 4 4	1.3 B	20	[A-4]	_	2 2 3	0.2 B	29
[A-4]		$\exists$					_			
			2 5 5	1.7 B	22	GSA performed filled the augers with water at 30 feet	-30	2 4 2	1.2 B	28
						SANDY LOAM: Gray [A-2]	_			
CLAY: Gray, trace organics [A-7-6]	424.0	-	3 3 5	1.0 B	27	SAND: Gray, fine [A-3]	· _			
Atterberg limits test performed			2 3	1.1	30	GSA performed	_	3	NC	
and the second second		-15		В	30		-35	- 1		
SILTY CLAY: Gray and brown, trace sand	419.5	_	3 4	1.4	25	398.5	_			
[A-6]			5	В	25	SAND: Gray, fine [A-2]	_			
0.5" sand seam		-20	2 4 4	1.2 B	26	GSA performed trace gravel and coal	-40	7 8 8	NC	

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)



**SOIL BORING LOG** 

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Division of Highways SCI Engineering						Date 02/07/12								
ROUTEF	FAP Route 42 (IL 127)	_ DE	SCR	IPTION	ı		IL 127 Over Kaskaskia	River LOG	GED BY SCI (CLM					
SECTION _	1-1BR-2		_ ı	OCAT	ION _	Carlyle	e, IL, <b>SEC.</b> 31, <b>TWP.</b> 2N	, <b>RNG.</b> 2W						
COUNTY _	Clinton DF	RILLING	ME	THOD		HS	SA w/mud rotary	HAMMER TYPE	Manual					
Station BORING NO Station	0. 014-0014 140+00 . B-1 128+72		D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter	ft 412.0 ft ▼						
	28 ft LT rface Elev. 435.5	— ft	(ft)	(/6")	(tsf)	(%)	Upon Completion After Hrs.	π ft						
SAND: Gra [A-2] (contin	y, fine ued) ud rotary drilling at 45	<u> </u>		9 18	NC			<u>`</u>						
Sandy GRA	VEL	386.5 386.0	-50	7 38 29	NC									
Mud Rotary	AY: Gray  Bit Refusal and Split ler Refusal at 54.0 ft.	381.5	_	50/3" 50/1" 50/1"	0.9 S/10	15								
Boring grout	ed to 54 ft.													

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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-1		A.P. SECTION COUNT		COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 014-0033	42	1-1BR-2		CLINTON	159	120
3111001011L NO. 014-0033				CONTRACT	NO. 7	6479
SHEET NO. 51 OF 61 SHEETS		ILLINOIS F	ED. Al	ID PROJECT		