

## **SOIL BORING LOG**

Page  $\underline{1}$  of  $\underline{2}$ 

8 NC

Date 02/10/12 ROUTE FAP Route 42 (IL 127) DESCRIPTION IL 127 Over Kaskaskia River LOGGED BY SCI (CLM) SECTION 1-1BR-2 LOCATION Carlyle, IL, SEC. 31, TWP. 2N, RNG. 2W COUNTY \_\_\_ Clinton DRILLING METHOD MUD ROTARY D B U M Surface Water Elev.
P O S I
T W S Groundwater Elev.:
H S Qu T Hospital Completion STRUCT. NO. T W S Qu T BORING NO. Upon Completion
After \_\_\_ Hrs. (ft) (/6") (tsf) (%) Soft material, weight of casing. Casing pushed in to create seal for mud rotary drilling (continued) ASPHALT - 2 inches REINFORCED CONCRETE - 8.5 435.1 inches Open air below bridge deck Began mud rotary drilling at 22 / 414.0 SILTY CLAY: Brown, trace sand [A-6] 0.6 B Atterberg limits test performed SILT: Brown, trace sand 0.5 B Atterberg limits test performed SANDY LOAM: Brown, fine SANDY CLAY LOAM: Brown and gray, fine [A-3] NC 27 1 0.2 | SAND: Gray, fine to medium, trace gravel [A-2] GSA performed Flowing water NC trace organics Soft material, weight of casing. Casing pushed in to create seal for mud rotary drilling

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)

GSA performed



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Page  $\underline{2}$  of  $\underline{2}$ 

	SCI	sion of Highv Engineering	Highways eering				JIL BURING	Date02/10/12	
ROUTE	FAP Route 42 (IL 127	) DE	SCRI	PTION	ı		IL 127 Over Kaskaskia I	River	LOGGED BY SCI (CLI
SECTION	1-1BR-2		_ ι	OCAT	ION _	Carlyle	e, IL, <b>SEC.</b> 31, <b>TWP.</b> 2N,	RNG. 2W	
COUNTY	Clinton	ORILLING	ME	THOD		N	MUD ROTARY	HAMMER TYPE	. Manual
Station BORING N Station Offset	NO. 014-0014 140+00 IO. B-2 130+67 9 ft RT Surface Elev. 436.0		D E P T H	B L O W S	U C S Qu (tsf)	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	418.5 ft ft ft	
	ray, fine to medium,	<u> </u>	(,	(,,	(,	(,,,	Aitei fils		
trace grave [A-2] (cont increas			_	10 13 12	NC				
			-45	9 14 22	NC				
			_	14 14 31	NC				
Mud Rotar	y Bit Refusal and Split	386.5		52/0 5°	N/A				
Spoon Sai	mpler Refusal at 49.5 ft	t	50	52/0.5"	NA				
Boring gro	uted to 49.5 ft.		_						
			_						
			-55						
			_						

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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-2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
STRUCTURE NO. 014-0033	42	1-1BR-2	CLINTON	159	121
			CONTRACT	NO. 7	6479
SHEET NO. 52 OF 61 SHEETS		ILLINOIS FED. A	ID PROJECT		