

SOIL BORING LOG

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13 20 NC

Date 02/08/12 ROUTE FAP Route 42 (IL 127) DESCRIPTION IL 127 Over Kaskaskia River LOGGED BY SCI (JVH) 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 D B U M E L C O P O S I T W S H S Qu T STRUCT. NO. BORING NO. Upon Completion
After ___ Hrs. (ft) (/6") (tsf) (%) Soft material, weight of casing.
Casing pushed in to seal off for mud rotary drilling (continued) REINFORCED CONCRETE - 6.5 435.2 inches Open air below bridge deck Began mud rotary drilling at 27 [A-4]
Sample too disturbed for a
UCS test 2 NC 23 Atterberg limits test performed 2 3 NC SAND: Brown and gray, fine
[A-2]
trace gravel
GSA performed
SAND: Brown and gray, fine
[A-3] [A-3] some gravel GSA performed Flowing water 420.4 Soft material, weight of casing. Casing pushed in to seal off for mud rotary drilling GSA performed 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)

some gravel



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SCI E	Division of Highways CCI Engineering			30	JIL BURING	Date02/08/	
FAP Route 42 (IL 127)	_ DESC	RIPTION	ı		IL 127 Over Kaskaskia I	River L	OGGED BY SCI (JV
SECTION 1-1BR-2		LOCAT	ION	Carlyl	e, IL, SEC. 31, TWP. 2N,	RNG. 2W	
COUNTY Clinton DI	RILLING N	METHOD		N	MUD ROTARY	HAMMER TYPE	Manual
STRUCT. NO. 014-0014 Station 140+00 BORING NO. B-4 Station 134+09 Offset 10 ft LT Ground Surface Elev 436.0		D B L O W S Sft) (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs.	420.4 ft ft ft	
SAND: Brown and gray, fine [A-2] (continued)		_					
trace gravel	_	8 20 21	NC				
Boring cave-in during drilling at 43 feet	393.0	9					
SHALEY CLAY: Brown, some ock fragments CLAYEY SHALE to NEATHERED SHALE: Gray	3 <u>91.5</u>	11 45 13	3.8 S/10	18			
Hard drilling observed							
Limestone chips oberserved in drilling fluid Mud Rotary Bit Refusal and Split Spoon Sampler Refusal at 47.6 ft	388.4	50/1.5	NA				
Boring grouted to 47.63 ft.		-50					
	_						
	_	-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-4	F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
STRUCTURE NO. 014-0033	42 1-1BR-2		CLINTON	159	124		
3111001011E NO. 014-0033					CONTRAC	T NO. 7	6479
SHEET NO. 55 OF 61 SHEETS			ILLINOIS	FED. A	ID PROJECT		