



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 2

Date 1/16-17/2013

ROUTE F.A.P. 626 DESCRIPTION Illinois 97 over Spoon River, Proposed Pier 6 LOGGED BY SCI (HHF)

SECTION (44-B-1)BR LOCATION NW 1/4, SEC. 10, TWP. 9N, RNG. 3E, 4th PM

COUNTY Knox DRILLING METHOD CME 750 Track w/ 3" Casing & M.R. HAMMER TYPE Automatic

STRUCT. NO.	Station	DEPT	BL	UC	M	Surface Water Elev.	Stream Bed Elev.	DEPT	BL	UC	M
BORING NO.	Station	HT	OS	QS	TS	Groundwater Elev.:	First Encounter	HT	OS	QS	TS
		Offset	(ft)	(/6")	(tsf)	After	N/A Hrs.	(ft)	(/6")	(tsf)	(%)
048-0100 (Proposed)	1969+15.00	15.0 ft LT	559.4			N/A	N/A				
B-107	1972+96										
ASPHALT - 2 inches REINFORCED CONCRETE - 7.75 inches Open air below bridge deck Existing ground surface No soil sampling performed, casing sinking into soil under its own weight. Began mud rotary drilling. CLAY: Brown and gray, with gravel, A-7 SANDY LOAM: Dark gray, A-4 SILTY CLAY LOAM: Gray, A-6											
						CLAY LOAM: Brown, with gravel, A-6		ST	0.7	S/8.7	31
						SILTY CLAY: Dark gray, A-6		WOH	1	0.3	B
						With gravel		1	0.4	B	34
						SANDY LOAM: Dark gray, with gravel, A-2		2	0.3	P	13
						With gravel		3			42
						Large rock wedged in sampler		2			12
						CLAYEY SHALE: Light gray		3			
						SANDY LOAM: Brown, with gravel, A-2		5			8
						WOOD FRAGMENTS		22			23
						CLAYEY SHALE: Light gray		32			121
						CLAYEY SHALE: Light gray		12			
						SHALE: Light gray		9	1.7	S/10	19
								24			
								30	2.4	S/10	10
								50/5"			

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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B-107	1972+96										
SHALE: Light gray (continued) Harder drilling observed Becomes dark gray Borehole continued with rock coring.											
								34			
								49	--		11
								50/4"			
								515.4	50/3"	--	15
								-46			
								-60			
								-58			
								-80			

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USER NAME =	DESIGNED -	REVISED
PLOT SCALE =	CHECKED -	REVISED
PLOT DATE =	DRAWN -	REVISED
	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 048-0100

SHEET NO. 56 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
626	(44-B-1)BR	KNOX	122	86
CONTRACT NO. 68759				

ILLINOIS FED. AID PROJECT