SHEET NO. 73 86 SHEETS

Contract #72A76

Illinois Department of Transportation

SOIL BORING LOG

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District OUTE FAP 614		ION				II 70 1	Over the Sangamon River	LOCGER	DV.			2130
							•	LOGGED	ΒY		М. Тарр	oan
ECTION	144(B-1)	_ LOCA	TION	-	SE 14, S	EC. 30,	TWP. 19 N, RNG. 9 W, 3 PM					
OUNTY Cass	and Mason DRII	LLING ME	THOD				HSA/Rotary HAMMER	TYPE			Auto	
TRUCT, NO.	009-0510 Pr 009-0005 Ex		D	В	U	м	Surface Water Elev. 442.1 (No	/\ ft	D	В	U	П
Station	913+16	_	E	L	C	0		6* ft	E	L	C	
			P	0	S	1			P	0	S	
ORING NO.	0510-N N. Abut.		T	W		S	Groundwater Elev.:		T	W		
Station	904+18		Н	S	Cm	Т		3.1 ft	Н	S	Ou	
Offset	10.0ft RT				١			A ft			l	١.
Ground Surface Elev.	462.1	ft	(ft)	∕6″	(tsf)	(%)		<u>ed</u> ft	(ft)	/6"	(tsf)	(
rey and Brown Moist S	LTY		\neg				Fine to Medium SAND (continued)					П
LAY												
										0		
							Grey Wet Fine			1		Г
										1		
		_										
				2						0		
				3	1.2	19	Grey Dirty Fine to Medium Sand			1		
			-6	5	S-12				-26	2		
		456.60					1					
ey Moist SANDY CLAY	LOAM		\neg									
ASSIFICATION 0510-N	-1	_		2								
% Passing #200 % Clay /22% Silt/58	W Road		\neg	3	1.0	16		435,10				
. = 21 Pl=6	70 Janu	_		5	S-8		Grey Medium SAND					
			\neg									
		_	\neg									
				1						2		
		_		2	0.7	19	Wood in Sampler			2		
			-10	2	P		(Washed)		-30	3		
		_										П
		451.10										
e to Medium SAND				17								
oken Concrete with Ta	n			32]					
edium Sand		_		5								
				1						2		
n Moist Fine to Mediu	m Sand	_		1			Grey Medium Sand			- 5		Г
			-16	2			Wood in Sampler		-36	7		L
							(Washed)					
		_		1								
			\neg	1			1					
		_		2						2		
			\neg				With some 1/2" Gravel			- 6		
		_					Begin Rotary Mud Drilling			8		
	∇		\neg	0			Adjusted Sample Interval		_			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Buige, S-Shear, P-Penetrometer, E-Estimated)

Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) BBS, from 137 (Rev. 8-99)

Division District	un of Highwaye t B									Date	12	M34
ROUTE FAP 614	(IL 78) DESCRIPTI	ON	_			IL 78 (Over the Sangamon River	LOGGED	BY	_	М. Тарр	an
SECTION	144(B-1)	LOC	ATION	_	SE 1/4, S	EC. 30,	TWP. 19 N, RNG. 9 W, 3 PM					
COUNTY Cass	and Mason DRIL	LING MI	ETHOD				HSA/Rotary	HAMMER TYPE			luto	
STRUCT. NO.	009-0510 Pr 009-0005 Ex 913+18	_	D E	B L	U C	M	Surface Water Elev.	442.1 (Nov.) ft 436* ft	D E	B L	U	
BORING NO.	0510-N N. Abut.		P T	O W	s	S	Groundwater Elev.:	II	P	O W	s	
Station	904+18 10.0ft RT		н	S	Cu	Т	✓ First Encounter ✓ Upon Completion	443.1 ft N/A ft	Н	S	Ош	
Ground Surface Elev.	462.1	ft	(ft)	/6"	(tsf)	(%)	After Hrs.	Plugged ft	(ft)	/6"	(tsf)	L
Grey Medium SAND (continued)		-				Grey Fine SANDY GRAVEL (continued)		_			
				4								
With some 14" Gravel			+	7			-		_			
			\neg	7								
		417.10	-46				Assumed 6" Cobble (Limestone		-66			
Grey Fine SANDY GRA	VEL						Chips in Return Mud)					
									_			
			-						_			
			\Box	3			Complete CANDAY CD (177			8		L
				6 8			Grey Fine SANDY GRAVEL			12 14		
			+				1		_			\vdash
									-70			
			-50						70			
			\dashv						_			
										1		
			\Box									
			-						_			
			-									
									_			
			-55						76			
			\dashv						_			
										1		
				9						7		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)

Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

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	District 6									Date12/
OUTEF	FAP 614 (IL 78) DES	SCRIPTION	_			IL 78 (Over the Sangamon River		LOGGED BY	M. Tappa
ECTION	144(B-1)	LO	CATION	_	SE 14, S	SEC. 30,	TWP. 19 N, RNG. 9 W, 3 PM			
DUNTY	Cass and Mason	DRILLING	METHOE)			HSA/Rotary	HAMMER TYP	Æ	Auto
TRUCT. NO. Station ORING NO.	009-0610 Pr 009-0005 E 913+18 0510-N N. Abi	<u>x</u>	D E P T	B L O W	U C S	M O I S	Surface Water Elev. Stream Bed Elev. Groundwater Elev.:	442.1 (Nov.) 436*		
Station	904+18 10.0ft RT	uL	Н	S	Qu	Т	✓ First Encounter ✓ Upon Completion	443.1 N/A		
Ground Surface		32.1 ft	(ft)	<i>1</i> 6″	(tsf)	(%)	▼After Hrs.	Plugged		
ontinued) ght Grey Very herty LIMESTO otary Drilled 2:		380.:	10							
ery Hard Drillin										
		377.6	60	100/1"						
oring Complete	•		85	-						
			Ξ							
			_							
			_							
			-90							
			_							
			_							
			_							
			-96							
			_	-						
			_							
			_							
			_							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometar, E-Estimated)

Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) BBS, from 137 (Rev. 8-99)

BORINGS (SHEET 1) F.A.P. 614 (IL 78) OVER SANGAMON RIVER PUBLIC WATERS CASS & MASON COUNTIES SECTION 144 (B-1) STA. 913+26.00

STRUCTURE NUMBER 009-0510
PROFESSIONAL DESIGN FIRM LICENSE #184-001084

07\$2026

03/27/09

