SHEET NO. 85 86 SHEETS

Contract #72A76

Illinois Departmont of Transportation Of Transportation Of Highways Defice of Highways	ent n					SOIL BORING	LOG		Page Date	<u></u>	of <u>2</u> //15/07
ROUTE FAP 614 (IL 78) DESCRIPTI	ION				IL 78 C	Over the Sangamon River	LOGGED E	ΙΥ		М. Тарр	an
SECTION 144(B-1)	LOCA	TION	_	SE 14, S	EC. 30, 1	TWP. 19 N, RNG. 9 W, 3 PM					
COUNTY <u>Cass and Mason</u> DRIL	LING ME	THOD				HSA/Rotary	HAMMER TYPE			luto	
STRUCT, NO. 009-0050 Ex Station 913+16 BORING NO. 0510-P11 Pier 11 Station 920+91 Ground Surface Elev. 482.9 Very Dark Grey Molet CLAY Refer Class P7-1		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.: \$\sum_{\text{rist}} \text{Encounter} \text{Upon Completion} \text{Nater} \text{Hrs.} \$\sum_{\text{After}} \text{AnD} (continued)	442.1 (Nov.) R 436° R 440.9 R NA R Plugged R	D E P T H	B L O W S	U C S Ou (tsf)	M O I S T
		_	1 2 4	1.7 B	36	Grey Coarse Sand (Washed)		_	2 7 10		
Brown and Grey		-5	1 3 4	1.6 B	24	Grey Coerse Sand (Washed)		-25	17 45 546 "		
SAND Tan Fine Moist	445.90		1 2 3			Grey Medium Sandy Gravel			2		
Ten and Grey Moist		-10	2 2 2			Begin Mud Rotary Drilling Adjusted Sample Interval		-30	14		
Grey Fine to Medium Sand Free Water			1 1 1			Grev Medium to Coarse San			3 5		
		-15	0 1 1			w/Some 1/4" Pea Gravel	•	-35	9		
Grey Medium to Coerse Send (Washed)			0			-					
(1100HIGW)			1			Grey Fine Sand			3 14 29		

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 1206) BBS, from 137 (Rev. 8-99)

Page <u>2</u> of <u>2</u> Illinois Department SOIL BORING LOG of Transportation FAP 614 (IL 78) DESCRIPTION IL 78 Over the Sangamon River SECTION LOCATION SE 1/4, SEC. 30, TWP. 19 N, RNG. 9 W, 3 PM Cass and Mason DRILLING METHOD 009-0510 Pr BORING NO. Station 0510-P11 Pier 11 Groundwater Elev. H S Qu 920+91 Grey Very Well indurated Crystalline LIMESTONE w'2" Grey Sandy Shale Seam Rotary Drilled 1.6' in 16 minutes 100/3" Boring Completed

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BORINGS (SHEET 13) 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



0752026 03/27/09