## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Divinion of Highways District 6								Date	4/27	V/
ROUTE FAP 317 (US 24) DESCRIPTION			US 24 over the Lamoine River				BY		М, Тарра	n
SECTION 10(B-1)R I	OCATIO	N _	NE 1/4,	SEC. 33,	TWP. 1 N, RNG. 2 W, 4 PM					
COUNTY Brown DRILLIN	G METH	HOD			HSA HAMMER	TYPE		140 #	Auto	
005-0001 Ex	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.   436.1     Stream Bed Elev.   431.2     Groundwater Elev.:   ☐ First Encounter   453.5	ft	D E P T H	B L O W S	U C S Qu	M O I S T
Offset 9.0ft Lt  Ground Surface Elev. 473.4 f	t (ft)	/6°	(tsf)	(%)	▼ Upon Completion Core  ▼ After 18 Days Hrs. 468.4		(ft)	<i>1</i> 6"	(taf)	(%)
Brown and Grey Moist SILTY CLAY (Fill) with Some Broken Limestone and Sandstone Clasts	_				Yellowish Brown and Grey moist Shaley CLAY Residuum Free Water (continued)	451,90		3	В	
		1 2 4	1.6 B	13	Grey and Light Brown Very Weathered Poorly Indurated Clayey SHALE	201.00		3 7 10	3.9 S-10	22
Grey and Brown with Shale Clasts		1 2	1.1	29	Tan and Grey			3 10	7.4	13
Crey and Drown with Smale Classes	_ <u>-6</u>	3	В		-		25	16	S-10	
		1 2 8	1,4 B	19	Grey Moist Moderately Indurated		_	4 16 25	9.9 S-18	10
	_	1			Grey Dry Fissile	443.90	_	32		
Brown and Grey	10	3	1.7 B	19	Borehole continued with rock coring.		30	100⁄2"		
Dark Grey	_	0 2 3	2.7 B	15						
Brown and Grey Moist SILTY CLAY	00	1					_			
	15	3	1.7 B	20			-35			
	_	2 6	2.2	24			_			
Grey and Brown with Poorly Indurated Sandstone Cobble	_	19	B		_		_			
	10 	1					_			
<del>-</del> "	_90	2	0.7	23	II .		-40	1		1

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 7206) BBS, from 137 (Rev. 8-99)

District 6							D	ate <u>4</u>	27/07
ROUTE FAP 317 (US 24) DESCRIPT	TION US 24	l over the Lamoine Ri	iver		LOGG	ED B	Y.	М. Тар	pan
ECTION 10(B-1)R	LOCATION NE_1/4, SEC	. 88, TWP. 1 N, RNG. 2	2 W, 4 PM					Ι	
	ING METHOD Water				_	R E	R	CORE	S
005-0001 Ex   TRUCT. NO.   005-0500 Pr   Station   436+67	CORING BARREL TYPE  Core Diameter Top of Rock Elev.	1.98 443.90	NQ2WL in ft	D E P	C O R E	C O V E R	. Q . D .	T I M E	F F N
Station         439+00           Offset         9.0ft Lt	Begin Core Elev.	443.90	_ ft	H	_	Y	•		F
Ground Surface Eley. 473.4	ft			(ft)	(#)	(%)	(%)	(min/ft)	(te
rey Well Indurated Calcareous SHALE To Joints			443.90	-30	1	94	96		22
	AVII		442.50 442.20						
rown Poorly Indurated Argilliceous LIMESTOP pen Joints Spaced <2"	/E		442,20						
rey Very Well Indurated Sandy Argilliceous LI losed Joints Spaced 1' to 3'	MESTONE								
and some spaces I to o									
				$\exists$					
				7	1	00	98		05
				35_					37:
				$\Box$					
				-					
				-					
			434,30	-					43
			434,30						
				_40					
				-					
				$\exists$					
					- 1				
				$\Box$					
									1
				_45 					

SOIL BORINGS (4 OF 4) STRUCTURE NO. 005-0500

	LIN ENGINEERING, LTD. Consulting Engineers Chathan, Minola	SHEET NO.29	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.	
			317	(10B-1)R	BROWN/SCHUYLER	196	148	
		29 SHEETS			CONTRACT	NO. 7	2432	
	Designed By: ADB	Checked By: MTH Drawn By: AJF			TI I TNOTE I	FED. AID PROJECT		
	Date: 06/2009	File: 005-0500.DGN		l	ILLINOIS   I	LED. MID LUCIECI		