## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Division of Highways Illinois Department of Transportation					10/								
ROUTE FAP 781 (IL 33) DESCRIPTION	N		Un-Named Stream LOGGED BY E. Sandscha										
SECTION 109B-1 LO	CATI	_NC	NW 1/	4, SE	C. 33, TWP. 5 N, RNG. 10 W, 3 PM								
COUNTYLawrence DRILLING	3 ME	THOD	Hol	low st	em auger & split spoon HAMMER TYPE		Auto	140#	Ė				
STRUCT. NO. <u>051-0035</u> Station <u>705+40</u>	D E P	B L O	U C S	M 0 -	Surface Water Elev. 408.38 ft stream Bed Elev. 407.73 ft	D E P	B L O	U C S					
BORING NO.         1 N Abut           Station         704+90           Offset         5.00ft Rt	H (Ga)	W S	Qu	S T	Groundwater Elev.:   First Encounter	H H	W S	Qu					
Ground Surface Elev. 421.27 ft 5" asphalt on 9 1/4" concrete	(11)	(/6")	(tsf)	(%)	After 24 Hrs. 407.3 ft Loose, wet, brown, fine grained,	(ft)	(/6") 2	(tsf)					
pavement. 420.07 Medium, damp, brown, CLAY					SAND w/ few small Gravel. 4% passing #200 sieve.	_	1						
LOAM.	$\exists$	2				$\exists$	1						
	-	2	0.8 B	14	Coarse grained w/ medium Gravel. 1% passing #200 sieve.	$\dashv$	2						
	-				(continued) 396.77	$\dashv$							
	-5	2	0.8	21	Medium, wet, brown, coarse grained, SAND w/ many small	-25	4						
		2	B	21	Gravel. 0.3% passing #200 sieve.	_	6						
414.27						$\exists$							
Soft, damp, brown, SANDY CLAY.	+	0	0.3	18	3% passing #200 sieve.	$\exists$	8						
	$\exists$	2	В			$\exists$	8						
Stiff, damp, brown mottled red,	-10	3			Fine grained w/ few small Gravel.	-30	4						
CLAY w/ some Sand.	-10	4	1.7 B	22	5% passing #200 sieve.	-30	6						
	$\exists$		-			$\exists$							
Medium, damp, brown, SANDY		3				_							
CLAY LOAM.	4	3	0.8 B	11		$\vec{-}$							
406.77	4					4							
Soft to medium, damp, brown, SANDY LOAM.	-15	1	0.5	14	4% passing #200 sieve.	-35	5						
	$\exists$	1	B				6						
	$\exists$					_							
	7	0	0.4	17									
	$\exists$	0	PP			$\exists$							
401.77		1					11						
	-20				381.27	-40							

( Illinois Depa of Transpor	artm tatio	ent n		SC	IL BORING LOG		Page	1	of
Division of Highways Illinois Department of Transport	tation			-	AL BOTTING LOG	Date10/15/0			15/0
ROUTE FAP 781 (IL 33) DESCRIF	TION_			Un	-Named Stream LOGGE	DB	Y <u>E.</u> S	Sandso	chaf
SECTION 109B-1	LOCA	TION	NW 1/	4, SEC	C. 33, TWP. 5 N, RNG. 10 W, 3 PM				
					em auger & split spoon HAMMER TYPE		Auto	140#	
		_	_				В	U	_
STRUCT. NO. 051-0035 Station 705+40	- D	L	C	M	Surface Water Elev. 408.38 ft Stream Bed Elev. 407.73 ft	D E	L	c	N C
	P	O W	S	S	Groundwater Elev.:	P	O W	S	S
BORING NO.         2 S Abut           Station         705+90	Ĥ		Qu	Ť	First Encounter 401.8 ft	Ĥ	s	Qu	T
Offset 5.50ft Lt  Ground Surface Elev. 421.29	ft (ft	(/6"	(tsf)	(%)	Upon Completion 407.5 ft After 24 Hrs. 407.4 ft	(ft)	(/6")	(tsf)	(%
4 3/4" asphalt on 9 1/4" concrete payement.			1	Ė	Loose, wet, brown, fine grained, SAND w/ medium Gravel. 4%		2	Ė	10
	20.09	-			passing #200 sieve.	_	1		H
Still, damp, gray, gravelly, CLAT.	_	١.					2		
	-	5	1,4	13	5% passing #200 sieve.	-	2		1
		4	В		(continued)		3		
41	6.79	+			396.79	_			
Soft, damp, gray/brown/red, SANDY CLAY w/ few small		5 1	0.3	23	Medium, wet, brown, fine grained, SAND w/ small Gravel, 2%	-25	4 5		5
Gravel.		3	0.3 B	23	passing #200 sieve.	-	5		1
	_								
	— <sub>1</sub>		_	6					
		2	0.3 B	27	3% passing #200 sieve.		7		1
	-	3	В			-			
		0 2				-	5		
Stiff, damp, brown mottled red,	11.29 -1	3	1.5	24	4% passing #200 sieve.	-30	13		1
CLAY.	_	4	В			_	11		
40	9.29	١.				_			
Very soft, very damp, brown, SANDY LOAM w/ some small	-	2	0.5	21		-			
Gravel.	_	3	В						
	_	-				_			
	1	5 1	0.1	17	4% passing #200 sieve.	-35	4		1
		3	B	17	,	_	6		'
						_			
	_	1				_			
	_	2	0.2 PP	16		_			
		+				-			
40	1.79	n 1			381.29	-40	4		

Division of Highways Illinois Department of Transportation	ior	-		-	IL BORING LOG	Date10/14/						
ROUTE FAP 781 (IL 33) DESCRIPTION	DUTE FAP 781 (IL 33) DESCRIPTION				Un-Named Stream LOG							
SECTION 109B-1 LOC	CAT	ON_	NW 1/	4, SE0	2. 33, TWP. 5 N, RNG. 10 W, 3 PM							
COUNTYLawrence DRILLING	ME	THOE	Hol	low st	em auger & split spoon HAMMER TYPE		Auto	140#				
STRUCT. NO. 051-0035 Station 705+40	D E P	B L O	UCS	M 0 -	Surface Water Elev. 408.38 ft Stream Bed Elev. 407.73 ft	D E P	B L O	UCS				
BORING NO. 1 N Abut Station 704+90 Offset 5,00ft Rt	Н	W S	Qu	S T	Groundwater Elev.:   First Encounter	Н	W S	Qu				
Ground Surface Elev. 421.27 ft  Medium, wet, brown, fine grained,	(ft)	16	(tsf)	(%)	After 24 Hrs. 407.3 ft Medium, wet, brown, fine grained,	(ft)	10	(tsf)	L			
SAND. 5% passing #200 sieve.	-	13		12	SAND. 2% passing #200 sieve.		12		L			
	-					-						
	_											
						_						
						_						
Low recovery this trip.	-45	5		20		-65						
	-	11										
	-					-						
	_											
						_						
						_						
3% passing #200 sieve.	-50	4		19	3% passing #200 sieve.	-70	6		L			
ore passing #200 sieve.	-	9		19	Ore passifing #200 sieve.	_	12					
	-					-						
						_						
	_					_						
	-55					-75						
	-					_						
	-					-						
					Vary dance, moint, gray, CLAV	7						
					Very dense, moist, gray, CLAY SHALE.	_						
	_					_						
361.27	-60	6			Borehole continued with rock	7 -80	50/1"		H			

of Transporta  Division of Highways  Blinois Department of Transportation	n .				DIL BORING LOG		Date	10/	15
ROUTE FAP 781 (IL 33) DESCRIPTION	ON_			Un	-Named Stream LOG	GED B	Y E.S	Sands	ch
SECTION 109B-1 L	OCAT	ION_	NW 1/	4, SE	C. 33, TWP. 5 N, RNG. 10 W, 3 PM				
COUNTYLawrence DRILLII	NG ME	THOE	Hol	low st	em auger & split spoon HAMMER TYP	Ε	Auto	140#	
STRUCT. NO. 051-0035 Station 705+40	D E P	B L O	U C S	M 0 -	Surface Water Elev.         408.38 ft           Stream Bed Elev.         407.73 ft	D E P	B L O	U C S	
BORING NO.         2 S Abut           Station         705+90           Offset         5.50ft Lt           Ground Surface Elev.         421.29         ft	H (ft)	W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.:   First Encounter   401.8   ft   Upon Completion   407.5   ft   After 24   Hrs.   407.4   ft	H (ft)	W S (/6")	Qu (tsf)	
Medium, wet, brown, fine grained, SAND. 3% passing #200 sieve. With small Gravel.		8		18	Medium, wet, brown, fine grained, SAND. 2% passing #200 sieve.		5		İ
2% passing #200 sieve.	-45	3 6		18		-65			
	Ξ	6			-	Ξ			
3% passing #200 sieve.	-50	4 6 8		19	6% passing #200 sieve.	-70	5 8 7		
	_					_			
	-55					-75			
	-30					75			
	=					Ξ			
	9 -60	4			Very dense, moist, gray, SILTY	9	50/1"		

Division of Highways Illinois Department of Transportation						ate 1
ROUTE FAP 781 (IL 33) DESCRIPTION	Un-Named Stream			GGE	DBY	E. Sano
SECTION 109B-1 LOCATION N	W 1/4, SEC. 33, TWP. 5 N, RNG	. 10 W, 3 PM	4			T
COUNTYLawrence CORING METHOD				R	R	CORE
STRUCT. NO.         051-0035         CORING BAR           Station         705+40         Core Diame	RREL TYPE & SIZE split inn eter 2.06 in	D E	CO	0 V	à	T I M
BORING NO. 1 N Abut Top of Roc	k Elev. 341.77 ft Elev. 341.67 ft	P T H	R E	E R Y		E
Ground Surface Elev. 421.27 ft		(ft)		(%)		(min/ft)
Soft, gray, slightly weathered, SANDSTONE, scratches	s easily.	341.6780	B1C1	95	74	0.9
Rock core B1C1 from 81.7' to 82.3' depth Qu = 948 tsf.		338.87				
Soft, gray, severely weathered, SANDSTONE, scratche		338.57				
Soft, gray, slightly weathered, SANDSTONE, scratches	s easily.	_				
		-85	B1C2	94	70	0.7
Rock core B1C2 from 86.6' to 87.1' depth Qu = 449 tsf.						
		_				
		331.67				
Extent of exploration.		-90				
Benchmark: BM 512 chiseled square on top of NE wing 421.111, provided by Program Development.	gwall of existing structure =					
, , , , , , , , , , , , , , , , , , , ,		_				
		_				
		-95				
		_				

( Illinois Depa of Transport	atior	nt		sc	IL BORING LO	Page <u>3</u>
Division of Highways Illinois Department of Transports	etion					Date 1
ROUTE FAP 781 (IL 33) DESCRIP	TION_			Un	Named Stream L	OGGED BY E. Sand
SECTION 109B-1	LOCAT	ION _	NW 1/	4, SEC	2.33, TWP. 5 N, RNG. 10 W, 3 PM	
COUNTY Lawrence DRIL	LING ME	THOD	Hol	low ste	em auger & split spoon HAMMER 1	TYPE Auto 140
STRUCT. NO. 051-0035 Station 705+40	D E P	B L O	UCS	M 0	Surface Water Elev.         408.33           Stream Bed Elev.         407.73	
BORING NO.   2 S Abut	Н	W S	Qu	S	Groundwater Elev.:   First Encounter	ft
Ground Surface Elev. 421.29 CLAY SHALE. /34:		(/6") 50/0"	(tsf)	(%)	After 24 Hrs. 407.4	ft
Extent of exploration.	1.636	50/0"				
	-					
Benchmark: BM 512 chiseled						
square on top of NE wingwall of existing structure = 421.11'.						
provided by Program Development.	_					
	-85					
	_					
	_					
	-					
	_					
	-90					
	_					
	_					
	_					
	95					
	_					
	_					
	-					
	-100					

<u>BORING LOGS</u> <u>STRUCTURE NO. 051-2008</u>

HEET NO.10	F.A.P. RTE.	SEC <sup>-</sup>	TION		COUNTY	TOTAL SHEETS	SHEET NO.
101 10	781	109	B-1		LAWRENCE	34	24
0 SHEETS				CONTRACT	NO. 741	.05	
	FED. RO	DAD DIST. NO.	ILLINOIS FEE	). AI	ID PROJECT		

