## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

( ) of	ois Departi Transportation of Highways operations of Transportation	lion				SOIL BORING LOG		Page Date	<u>1</u> 6/1	ot _
	E DESCRIPTIO		Tho	mpson	Mill C	overed Bridge: North Approach Span LOGGED			Sandsc	
SECTION <u>D7 Br</u>	Appr 2009-1	LOCATION		NW 1/4	4, SEC	. 1, TWP. 9 N, RNG. 3 E, 3 PM				
COUNTY Sh	elby DRILLI	ng methoi	D	Holl	ow ste	m auger & split spoon HAMMER TYPE		Auto	140#	
STRUCT. NO Station  BORING NO Station	087-0019 50+00 1 51+07	D E P T H	8 F	U C S Qu	M 0 1 S T	Surface Water Elev.         512.36 ft           Stream Bed Elev.         N/A ft           Groundwater Elev.:         First Encounter           509.7 ft	D E P T H	B L O W S	Qu Qu	M 0 1 S T
Offset 15.00ft Ed Ground Surface Elev	st of Centerline Br	ridge ft (ft)	(/6")	(tsf)	(%)	Upon Completion <u>Washed</u> ft After Hrs. <u>Samples</u> ft	(#)	(/6")	(tsf)	(%)
1" oil & chip roadwo 4" aggregate base. Medium, damp, gray, LOAM.	y surface on 52	21.79				Very loose, wet, brown, fine grained, SAND w/ black wood fragments. 11% passing #200 sieve.		1 3		9
	E1	9.19	3	0.8	19	Medium, wet, gray, gravelly, SANDY LOAM. Sand plugged	+	2		11
Very soft, very damp SANDY LOAM.	, brown,		3	В		augers.		6		
		-5	0	0.1	21	Skipped this trip.	-25			ļ
			0	В		'				
			0		24	Very dense, moist, gray, SANDY CLAY SHALE.		50		7
			0	0.1 B	24	CLAT STALE.		50/3" 50/2"		
		-10	0			492.19	3 -30 5	0/5"		6
		$\exists$	0	0.0 B	26	Borehole continued with rock coring.	lo lo	50/0" 50/0"		
			1	0.1	25					
			0	В			$\exists$			
		-15 	0 1 0	0.1 B	23		35 			
Very loose, wet, brow grained, SAND w/ bl	n, fine	05.19	0		3					
fragments. 7% pass sieve.			1							
	50	2.19 -20	0				-40			L

The	Unconfined Compressive Strength	(UCS) Failure Mode is indicated by	(B-Bulge, S-Shear, P-Penetrometer)
The	SPT (N value) is the sum of the	last two blow values in each samp	ling zone (AASHTO T206)
	` '	•	RRS

	Division of Highwa Hilinois Department	nsportat				K CC					D	ate <u>6</u>	/10/08
ROUTE	1725 E	DESCRIPTIO	N	Thompson M	ill Covered B Spa		th Approa	ch	_ L0	GGED I	BY .	E. Sand	schafer
SECTION _	D7 Br Appr	2009-1	LOCATION	NW 1/4,	SEC. 1, TWF	. 9 N, RN	G. 3 E, 3	PM				,	
COUNTY	Shelby	CORIN	METHOD	Rotary,	surf set dic	mond bit				R E	R	CORE	S T
STRUCT. NO.		-0019	CORING	BARREL TYPE	& SIZE		v dbl bbl inner	, _ D	С	CO	i q	T	R E
Station		+00		Diameter	2.06	in		E	O R	V E	D	M E	N G
BORING NO. Station		1 +07		f Rock Elev. Core Elev.	495.19 492.19			T	E	R Y		_	T H
	.00ft East of ace Elev.		idge ft					(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
	weathered, SA			1C1 at 30.0'	to 30.6' de	oth =	492.		Bla	90	78	1	
	tely weathered	, SANDY CLA	Y SHALE.										
								_					
								35	В1ь	97	85	0.8	
										:			
Grav w/ thin.	, black lenses	. SANDSTONE			<del></del>		485.	59					
	C2 at 38.0' to			sf.				1400					
	weathered, SA						483.	59					
,,,	,						482						
	weathered, SA	ANDSTONE.					482.						
Extent of exp	oloration.												
	RR Spike in tir			of existing b	ridge = 522.	31							
Location of B	11 is 27' Norti	h of North a	pproach sp	an/wood abul	tment.								
								45	1				
									1				
								_	]				
									1				
					***************************************			-50	<b></b>	L	L	لـــــا	

Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois								
DESIGNED:	IDOT	DRAWN:	PTR					
CHECKED:	DCD	CHECKED:	DCD					

SOIL BORINGS (1 OF 4) THOMPSON MILL COVERED BRIDGE OVER KASKASKIA RIVER STRUCTURE NO. 087-0019

SHEET 9	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	389A	D-7 Bridge Appr. 2009-1	SHELBY	14	11		
OF 12		STA. 50+00	CONTRACT	NO. 7	74337		
	FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT						