STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Illinois Depo of Transpor Division of Highways Illinois Department of Transpo	tation		,	SOIL BORING LOG	Page Date	_1 of 6/10/0
ROUTE 1725 E DESCR	IPTION			overed Bridge: North Approach Span LOGGED		Sandschafe
SECTION D7 Br Appr 2009-1	LOCATION	NW 1,	4, SEC	. 1, TWP. 9 N, RNG. 3 E, 3 PM		
COUNTY Shelby D	RILLING METHOD	Ho	llow ste	em auger & split spoon HAMMER TYPE	Auto	140#
STRUCT. NO. 087-0019 Station 50+00	D E P	B U L C O S	M O I	Surface Water Elev. 512.36 ft Stream Bed Elev. N/A ft	D B E L P O	U M C 0 S 1
BORING NO. 1		W S Qu	S T	Groundwater Elev.: First Encounter	T W H S	Qu T
Ground Surface Elev. 522.19 1" oil & chip roadway surface on	ft (ft) (/6") (tsf)	(%)	After Hrs. Samples ff Very loose, wet, brown, fine	(ft) (/6")	(tsf) (%
4" aggregate base. Medium, damp, gray, SILTY LOAM.				grained, SAND w/ black wood fragments. 11% passing #200 sleve. 500.19	3	
		3 4 0.8	19	Medium, wet, gray, gravelly, SANDY LOAM. Sand plugged	2 5	11
Very soft, very damp, brown, SANDY LOAM.	519.19	3 B	13	augers.	6	
		0			-25	
	_	0 0.1 0 B	21	Skipped this trip.	_	
		,		405 40		
		0 0.1	24	Very dense, moist, gray, SANDY CLAY SHALE.	50	7
		0 0.1 0 B	24	CENT STALE.	50/3" 50/2"	
					7	
		0 0.0	26	Borehole continued with rock	₋₃₀ 50/5" 50/0"	6
		0 B	20	coring.	50/0	
	-				+	
		1 0.1	25			
		0 B	23			
	-15	0 0.1	23		-35	
		1 0.1 0 B	23			
	505.19				4	
Very loose, wet, brown, fine grained, SAND w/ black wood fragments. 7% passing #200	303.13	0 0 1	3			
sieve.			1			
	502.19 -20	0			-40	

	502.19	-20	0					 -40			
The Unconfined Compressive Strength The SPT (N value) is the sum of th	n (UCS) e last ti	Failure vo blo	e Mod w vai	de is in	ndicate each	d by (B-Bulge, sampling zone	, S-Shear, P-Penetroi (AASHTO T206)	from 137	(Rev	. 8-9	9)

Illinois Department of Transportation ROCK CO	DRE L	OG				age <u>2</u>	of <u>2</u>
Division of Highways Illinois Department of Transportation Thompson Mill Covered Bridge: No	db 4				D	ate <u>6</u>	/10/08
ROUTE 1725 E DESCRIPTION Span	m Approuci		_ L0	GGED 1	BY .	E. Sand	schafer
SECTION D7 Br Appr 2009-1 LOCATION NW 1/4, SEC. 1, TWP. 9 N, RI	NG. 3 E, 3	PM					
COUNTY Shelby CORING METHOD Rotary, surf set diamond bit				R	R	CORE	S
STRUCT. NO. 087-0019 CORING BARREL TYPE & SIZE spli	nv dbi bbi, t inner	D	С	C	, q	T	R E
Station 50+00 Core Diameter 2.06 in		E	0	٧		М	N
BORING NO. 1 Top of Rock Elev. 495.19 ft		P	R E	E R	D	E	G T
Station 51+07 Begin Core Elev. 492.19 ft Offset 15.00ft East of Centerline Bridge		Н	_	Υ			н
Ground Surface Elev. 522.19 ft		(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Gray, slightly weathered, SANDSTONE. Rock core B1C1 at 30.0' to 30.6' depth = 133.6 tsf.	492.19 491.59		B1a	90	78	1	
Gray, moderately weathered, SANDY CLAY SHALE.		コ					
		\dashv					
		4					
		-35	В1Ь	97	85	0.8	
		\dashv	עום	9/	65	0.0	
	485.39						
Gray w/ thin, black lenses, SANDSTONE.	100100	-					
Rock core B1C2 at 38.0' to 38.5' depth = 88.2 tsf.		\Box					
Gray, slightly weathered, SANDY CLAY SHALE.	483,69	- +					
	482.39	\neg					
Gray, slightly weathered, SANDSTONE.	482.19	40					
Extent of exploration.							
Benchmark: RR Spike in timber pile in NW corner of existing bridge = 522.31		-					
elevation. Provided by Program Development.							
Location of B1 is 27' North of North approach span/wood abutment.							
		-45					
		_					
		-					
		\exists					
		_50					
		-201		L	L		L

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

	37710070112 110: 007 0013										
CHE	SHEET 9 OF 12	T.R. RTE.	SEC-	LION	COUNTY	TOTAL SHEETS	SHEET NO.				
0		389A	D-7 Bridge	Appr. 20	09-1	SHELBY	14	11			
OF			STA. 50+0	0		CONTRACT	NO. 7	4337			
		FED. RO	DAD DIST. NO.	ILLINOIS F	ED. AI	D PROJECT					