Illinois D of Trans	por of Highv	tat	ion		sc	DIL BORING LOG		Page	1	of _
SCI Eng	ineering				•••			Date	07/*	14/09
FAP 331	DES	SCRI	PTIO	Stru	cture	Replacement crossing Big Muddy River	oggi	ED BY	<u>s</u>	CI
SECTION 12-2B-2		_ L	OCAT		East c	f Murphysboro; SW 1/4, SEC. 3, TWP. 9S, F	RNG.	2W		
COUNTY Jackson DRI	LLING	ME	тнор	· ·	с	ME 750 w/HSA HAMMER TYPE		Auto	omatic	
STRUCT. NO. 039-0049 Station 340+71.00	_	D E P	B L O	U C S	M 0 1	Surface Water Elev ft Stream Bed Elev ft	D E P	B L O	U C S	M 0 1
BORING NO. B-103 Station 343+09 Offset 14 ft Rt WB	_	T H	W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter329.0 ft ▼ Upon Completionft	T H	W S (/6")	Qu (tsf)	S T (%)
Ground Surface Elev. 374.0 ASPHALT - 4 inches CONCRETE - 9 inches			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(131)	(70)	After Hrs ft FILL: Gray, silty clay, trace to some sand		(,0,)	(131)	(70)
	372.5	_				(A-7) (continued)	-			
some sand (A-6)		_				(A-7)	_			
Classification of materials based on observation of augered cuttings.						ST pushed 22' to 24'. Recovery 16". UU - 2.3 tsf; DD - 97.4 pcf; MC - 24%	_			
FILL: Gray, silty clay	369.0	-5				348.5	-25			
(A-7)	,	_				SILTY CLAY: Brown and gray (A-7)				
Becomes brown						Triaxial shear test performed on ST pushed from 27' to 29';	_			
Temporary benchmark - brass disk at southeast corner of east abutment. USGS Topographic		_				LL-47, PL-17, PI-30	_			
Map - El. 384		-10				CLAY: Gray, some sand344.0	-30			
						(A-7)	_			
	361.0	_					_			
FILL: Grayish brown, silty clay (A-6)		_				SILTY CLAY: Brown and gray340.0	_			
	358.5	-15				(A-6) ST pushed 34' to 36'.	-35			
FILL: Gray, silty clay, trace to some sand (A-7)						Recovery 19". UU - 1.3 tsf; DD - 96.2 pcf; MC - 27%	_			
		_					_			
		_					_			
		-20				334.0	-40			

SECTION		DE	SCR	IPTIO	Stru	ctur
	12-2B-2		_ L	OCAT		East
COUNTY	Jackson	DRILLING	G ME	тнор		
STRUCT. NO	039-0049 340+71.00		D E P	B L O	U C S	М 0 1
BORING NO Station Offset	B-103 343+09 14 ft Rt WB ice Elev. 374.0	 0 ft	T H (ft)	W S (/6")	Qu (tsf)	S T (%
SAND: Brown	and gray, fine to	329.0				
coarse (A-1) CLAY: Gray – (A-7) ST pushed 4 Recovery 23*. 95.6 pcf, MC - i SILTY CLAY: C (A-6) Boring terminat	UU - 3.1 tsf; DD - 27% Bray	327.5	_			

The Unconfined Compressive Strength (UCS) Failure Mode is ind AASHTO Classifications are based on visual classifications unles

	LLNOIS Eastnot Builtness Carter 1	MISSOURI	USER NAME =	DESIGNED -	REVISED -		SOIL BORING LOGS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
	Collinavilla, IL 62234 tel 618.345.2200	720 Olive, Suite 1680 St. Louis, MO 63101 te/ 314.588.6381		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 039–0076 (W.B.)	331	(12-1)B-1	JACKSON	200 165
BATES ASSOCIATES Engineering + Architecture	for 618.345.7233 www.calessecciates.com	fax 314.588.9805	PLOT SCALE = PLOT DATE =	DRAWN - CHECKED -	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. 53 OF 53 SHEETS		ILLINOIS FED. A	CONTRACT	NO. 78056

L BORING LOG	Page <u>2</u> of <u>2</u>
	Date 07/14/09
lacement crossing Big Muddy River LO	GGED BY SCI
urphysboro; SW 1/4, SEC. 3, TWP. 9S, R	NG. 2W
750 w/HSA HAMMER TYPE	Automatic
urface Water Elev ft Stream Bed Elev ft	
roundwater Elev.: First Encounter 329.0 ft ▼ Jpon Completion ft After Hrs ft	
After Hrs ft	
licated by (B-Bulge, S-Shear, P-Penetr ss otherwise noted BBS, form 137 (R	rometer) Rev. 8-99)