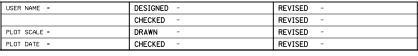
Divisio	Sportal on of Highways ngineering	epartment oortation			OIL BORING LOG			Page <u>1</u> of		
SOLE	igmicei mig							Date	_07/	11
ROUTE FAP 331	DESCR	IPTIO	N Stru	cture	Replacement crossing Big Muddy Riv	er LC	GGE	ED BY	′_ 5	30
SECTION 12-2B-2	1	LOCA	TION	East o	of Murphysboro; SW 1/4, SEC. 3, TWF	P. 9S, R	NG.	2W		
COUNTY Jackson DF					ME 750 w/HSA HAMMER				omatic	_
DF				1	INIE 750 W/NSA NAMINIER	TFE _				_
STRUCT. NO. 039-0013 Station 340+71.00	— D	B	U	M	Surface Water Elev. Stream Bed Elev.	ft	D E	B L	U	
	— Р	0	s	- 1	Stream bed Elev.	."	Р	0	s	
BORING NO. B-101 Station 339+28 Offset 75 ft Lt EB	_ T	W	Qu	S	Groundwater Elev.:		T H	W S	Qu	
Offset 75 ft Lt FR	- "	3	Qu		First Encounter 345.0 Upon Completion				Qu	
Ground Surface Elev. 363.0	ft (ft)	(/6")	(tsf)	(%)		ft	(ft)	(/6")	(tsf)	
SILTY CLAY: Brown					SILTY CLAY: Gray, some fine					t
(A-7)					(A-6)					
Classification of materials in upper 20 feet based on	_	-			ST pushed 20' to 22'.		_			
observation of augered cuttings.	_	1			Recovery 22"; UU - 1.0 tsf; DD - 94.2 pcf; MC - 28%					t
					Becomes brownish gray, trace					
	_				fine sand ST pushed 22' to 24'.		_			
		-			Recovery 24"; UU - 1.2 tsf; DD -					ł
	-5	1			92.9 pcf; MC - 29% Becomes gray, some fine sand	338.3	-25			
Temporary benchmark - brass					SAND: Gray, fine					
disk at southeast corner of east abutment. USGS Topographic					(A-3) ST pushed 24' to 26'.	336.8				1
Map - El. 384	_	-			Recovery 23". UU - 1.1 tsf; DD - /	336.0	-			
	5	1			90.5 pcf; MC - 31% CLAY: Gray, trace fine sand	330.0				
					(A-7)					1
	_	-			ST pushed from 26' to 28'. Recovery 23"; UU - 1.1 tsf; DD -		_			
	_	1			87.7 pcf; MC- 33%					
	-10]			SILTY CLAY: Gray, some fine sand		-30			
					(A-6)					
		1			Becomes maroon and gray Triaxial shear test performed					
		1			on ST pushed from 28' to 30'; LL-25, PL-18, PI-7	331.0				
					SAND: Maroon and gray, fine					I
	_	-			(A-3)	329.8				
	_	1			SILTY CLAY: Maroon, some fine sand	329.0	_			
		1			(A-6)					t
	-15	-			ST pushed 32' to 34'. Recovery 23"; UU - 3.0 tsf; DD -		-35			
	_	-			99.7 pcf; MC - 25%	327.0	-			
		1			SAND: Brown, fine (A-3)	3£1.U				t
		1			Boring terminated at 36.0 ft.					
		-					_			
	Ā	1								
]								
		-					_			
	343.0 -20				1		-40			T









STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
STRUCTURE NO. 039-0075 (E.B.)	331	(12-1)B-1	JACKSON	200	111		
7111001011E 140. 033-0073 (E.D.)			CONTRACT	NO. 7	8056		
SHEET NO. 52 OF 53 SHEETS	TILLINOIS FED. AID PROJECT						