Boring No 5.5 D B Surf Wat Elev: 338.5 D B Station 341488 P O Qu Ground Water Elevation B12.1 P O Station 341488 F V Qu At completion T W Qu At completion T W Suff W% At: 24 Hrs: 346.4 H H Stif, very moist, brown, Silty Medium, very moist, grey, Silty W/W		Bridge Foundation Boring Log Sheet 1 of 2			
County: Jackson Location: E. Edge of Murphysboro Checked By: Rob boring No 5.5 0 </th <th></th> <th></th>					
Boring No 5:5 D B L Surf Wat Elev: 338.5 D F L Station 341+88 P T W Qu Wrken Drilling 312.1 F L P T W Qu At: 24 Hrs: 346.4 H H Wrken Drilling 312.1 F Wrken Drilling 312.1 H Wrken Drilling 312.1 330.0 Wrken Drilling 312.1 Wrken Drilling 312.1 330.0 Wrken Drilling 312.1 330.0 Wrken Drilling 314.6	n Keller	r			
Boring No 5 6 Cound Water Elevation Description Station 341-08 P 0 At 312.1 P 0 Offset 221 RT CL T W Qu At 24 Rts: 346.4 H Stiff, very moist, brown, Silty	Graeff				
Barling Arb 3 0 E L Ground Water Elevation E F O O At : 24 #rs : 346.4 H W Ground Surface 312.1 At : 24 #rs : 346.4 H W M M M <	1	1			
Start 000 Protect Protect					
Ground Surface 351.6 Pt H tsf W% At: 24 Brs: 346.4 H W Stiff, very moist, brown, Silty Clay A-6		1			
Stiff, very moist, brown, Silty	Qu				
Clay A-6	tsf	W%			
347.1	0.6B	29			
3 1.6S 23 347.1					
3 1.6S 23 347.1					
3 1 1 347.1 3 3 Stiff, very moist, grey, Clay to 5.0 1 30.0 WH 344.6 3 1.2B 22 1 1 344.6 1 0.2B 30 grey, Clay to Silty Clay A7-6 WH A-6 1 0.2B 30 grey, Clay to Silty Clay A7-6 WR 1 0.2B 30 grey, Clay to Silty Clay A7-6 WR 317.1 10.0 WH 314.6 314.6 314.6 314.6 239.6 314.6 314.6 314.6 312.1 312.1 Soft, wet, grey mottled brown, WH 0.3B 29 Clay A7-6 with Silt Loam seams 22 337.1 312.1 312.1 312.1 312.1 312.1 312.1 Soft, wet, grey, Clay to Silty 15.0 WH 0.4B 30 A7-6 with Silt Loam seams 22 334.6 314.6 312.1 312.1 312.1 312.1 312.1 312.1					
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337.1 312.1 Soft, wet, grey, Clay to Silty 15.0 WH Stiff, very moist, brown, Clay 40.0 WR Clay A7-6 WH 0.4B 30 A7-6 with fine Sand layers 2 334.6	0.95	35			
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Medium, very moist, grey, Clay WH					
to Silty Clay A7-6WH 0.6B 27 WH					
WH					
332.1 307.1 Soft, very moist, grey, Silty 20.0 WH Very stiff, very moist, grey, 45.0 3 Clay Loam A-6 WH 0.4B 27 Clay Loam A-6 with Sand 6					
Soft, very moist, grey, Silty 20.0 WH Very stiff, very moist, grey, 45.0 3 Clay Loam A-6 WH 0.4B 27 Clay Loam A-6 with Sand 6					
Clay Loam A-6 WH 0.4B 27 Clay Loam A-6 with Sand 6					
VVHlayers5	2.6P	28			
329.6 —					
Medium, very moist, grey, Silty WH					
Clay to Clay A7-6 WH 0.6B 27					
WH					
25.0 WH 50.0 W	1				

Route: ILL 13	_				
Section:	_				
County: Jackson	_				
Boring No: 5-5 Station: 341+88 Dffset: 22' RT CL Ground Surface: 351.6 F	- Е - Р - Т - Н	B L O W	Qu	W%	
Very loose, wet, grey, very fine	<u> </u>	2		21	
Silty Sand 93% Sand 5% Silt 2% Clay		1			
297.1					
Stiff, wet, brown, Clay A7-6 with Sand layers	55.0	WH 4 10	1.1B	51	
292.1					
Medium, wet, grey, fine Sand	60.0	4		25	
with Gravel and Coal Chips 291.1 Hard, dry, grey, weathered Clay Shale		18 49			
289.6					
Hard, dry, grey, Clay Shale over Coal 288.6		_100/5"			
Bottom of hole = 63.0 ft.					
Free water observed at 39.5 ft.	65.0				
Elevation referenced to BK of W Abut Sta 343+06 CL Elevation = 383.47 ft.					
To convert "N" values to "N60" values multiply by 1.25.					
	70.0				
	75.0	-			

		MISSOURI	USER NAME =	DESIGNED -	REVISED -		SOIL BORING LOGS	F.A.P. RTF.	SECTION		TOTAL SHEET	
	100 Lanter Court, Suite 1 Collineville, IL 62234	720 Olive, Suite 1650 St. Louis, MO 63101		CHECKED -	REVISED -	STATE OF ILLINOIS		331	(12-1)B-1	JACKSON 2	200 109	
	ter 618.345.2200 fer 618.345.7233	tel 314.588.8381 fax 314.588.9805	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 039-0075 (E.B.)			CONTRACT N	NO. 78056	
UATES ASSOCIATES Engineering + Architecture	BATES ASSOCIATES Engineering + Architecture www.celesescocistes.com		LOT DATE = CHECKED -		REVISED -		SHEET NO. 50 OF 53 SHEETS		ILLINOIS FED. A			

	 Date	Sheet 2 :	of 2	/4/2004	
W%	D E P T H	B L O W	Qu tsf	W%	
21	80.0				
25	90.0				
20 9-9ha	 95.(