STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 331	5B-3	JACKSON	25	24
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 10
11 SHEETS
CONTRACT NO. 98566

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 2

FAP 331 (ILL 13 WB) Over Piles Fork Creek

Route: FAP 331 (ILL 13 **Structure Number:** 039-0018 **Date:** 10/06/1999
Section 5B-3 **Bored By:** Bryan Keller
County: Jackson **Location:** ECL Carbondale **Checked By:** R Moberly

Boring No 1-S
Station 86+12
Offset 15' LT CL
Ground Surface 389.8 Ft

Surf Wat Elev: 376.2
Ground Water Elevation
when Drilling 375.4
At Completion 352.4
At: **Hrs:**

Description	DEPTH	BLOW	Qu tsf	W%
Concrete Pavement				
388.8				
Crushed Aggregate				
387.8				
		1		
		3	1.7S	22
		2		
Stiff, moist, grey, Silt Loam A-4				
	5.0	1		
		3	1.5S	21
		3		
		2		
		3	1.1S	23
		2		
380.3				
Medium, moist, grey, Silt Loam A-4 with Clay layers	10.0	WH		
		2	0.8S	27
		2		
377.8				
Soft, very moist, grey, Silt Loam A-4		WH		
		WH	0.4B	27
		WH		
375.3				
Stiff, moist, brown mottled grey, Clay A-6 with Sand seams	15.0	WH		
		1	1.4B	27
		1		
372.8				
Stiff, moist, brown mottled grey, Silty Clay A7-6		1		
		2	1.2B	27
		2		
370.3				
Soft, very moist, grey, Clay to Silty Clay A7-6	20.0	WH		
		1	0.3B	31
		1		
367.8				
Very stiff, moist, brown, Clay A7-6		2		
		5	2.1B	19
		5		
	25.0	1		

Description	DEPTH	BLOW	Qu tsf	W%
Very stiff, moist, brown, Clay A7-6		4	3.5B	19
		5		
362.8				
Stiff, moist, grey, Clay A7-6		3		
		5	1.4B	18
		6		
	30.0	2		
		2	1.4B	18
		4		
		1		
		3	1.5B	19
		3		
355.3				
Very stiff, moist, grey, Clay A7-6 with Sand layers	35.0	1		
		2	2.3B	34
		6		
		2		
		3	2.1S	32
		5		
350.3				
Very stiff, moist, grey, Clay A7-6	40.0	1		
		3	2.1S	33
		3		
345.3				
Stiff, moist, grey, Clay A7-6	45.0	1		
		4	1.8S	34
		4		
340.3				
	50.0	3		

N-Std Pentr Test: 2" OD Sampler,
140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Route: FAP 331 (ILL 13) **Date:** 10/06/1999
Section: 5B-3
County: Jackson

Boring No: 1-S
Station: 86+12
Offset: 15' LT CL
Ground Surface: 389.8 Ft

Description	DEPTH	BLOW	Qu tsf	W%
		6	3.1S	24
		9		
Very stiff, moist, grey, Clay A7-6				
310.3				
	55.0	2		
		5	3.7S	22
		10		
NOTES				
Free water observed at 15.0 feet				
Elevation referenced to Bench Mark #1; Elevation = 390.37 ft.				
	60.0	3		
NOTE: To convert "N" values to "N60" multiply by 1.25		5	2.5S	26
		7		
302.3				
	65.0	2		
		5	2.1B	22
		7		
320.3				
Stiff, moist, grey, Clay A7-6	70.0	1		
		4	1.5B	23
		4		
315.3				
	75.0	3		

Description	DEPTH	BLOW	Qu tsf	W%
Stiff, moist, grey, Silty Clay A7-6 with Sand seams		3	1.8B	17
		4		
310.3				
Stiff, moist, grey, Clay A7-6	80.0	1		
		2	1.6B	20
		3		
302.3				
Hard, dry, grey, Sandstone				
	90.0	100/0.5"		
Auger refusal at 90.5 ft 299.3				
Hard, dry, grey, Sandstone				
Cored 90.5 to 95.5 feet				
Recovery = 97 %				
RQD = 72 %				
	95.0			
294.3				
Hard, dry, grey, Sandstone and Clay Shale				
Cored 95.5 to 98.0 feet				
Recovery = 1%				
RQD = 0% 291.8				
Bottom of hole = 98.0 feet				
	100.0			

N-Std Pentr Test: 2" OD Sampler,
140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

BORING LOGS
ILLINOIS ROUTE 13WB OVER
PILES FORK CREEK
FAP ROUTE 331 - SEC. 5B-3
JACKSON COUNTY
STATION 86+40.00
STRUCTURE NO. 039-2026