ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

FA Rte 686 (IL 4) Over Beaucoup Creek
Route: FA Rte 686 (IL 4) Structure Number: 039-0042 Date: 10/2/2008
Section 115B, 115B-BR Bored By: Rich Moberly
County: Jackson Location: 0.5 mi West of IL Rte 13/127 Checked By: Rob Graeff

Boring No 4-S (2008)
Station 1121+43
Offset 24' Rt CL
Ground Surface 371.3 Ft

Surf Wat Elev: 356.4
Ground Water Elevation
when Drilling 331.3
At Completion
At: 24 Hrs: 366.8

	DEPTH	BLOWS	Qu tsf	W%
Stiff, damp, brown mottled grey, Silty Clay Loam to Silt Loam A-4		2 4 5	1.5P	14
366.8				
Very stiff, moist, brown mottled grey, Clay to Silty Clay A7-6	5.0	1 4 5	2.3B	21
364.3				
Stiff, moist, brown mottled grey, Silty Clay A7-6		1 4 5	1.9B	23
361.8				
Very stiff, moist, brown mottled grey, Clay to Silty Clay A7-6	10.0	1 4 4	2.1B	22
359.3				
Stiff, moist, grey mottled brown, Silty Clay A7-6		1 3 5	1.5B	24
356.8				
Very stiff, moist, brown mottled grey, Clay A7-6	15.0	1 4 6	2.3B	17
		1 4 6	2.1B	17
351.8				
Stiff, moist, brown mottled grey, Clay A7-6	20.0	1 4 5	1.8B	18
		1 4 5	1.8B	17
346.3	25.0	2		

	DEPTH	BLOWS	Qu tsf	W%
Very stiff, moist, brown, Clay A7-6		5 6	2.5B	16
		2 5 7	2.7B	16
	30.0	2		
		6 8	3.1B	16
339.3				
Very stiff, moist, grey, Clay A7-6		1 5 7	2.3B	16
	35.0	1		
		5 7	2.1B	16
331.8				
Stiff, moist, grey, Clay A7-6	40.0	1 6 6	1.6B	17
	45.0	3		
		7 6	1.5B	17
321.3	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: FA Rte 686 (IL 4)
Section: 115B, 115B-BR
County: Jackson
Date: 10/2/2008

Boring No: 4-S (2008)
Station: 1121+43
Offset: 24' Rt CL
Ground Surface: 371.3 Ft

	DEPTH	BLOWS	Qu tsf	W%
Very stiff, damp to moist, grey, Clay Loam to Silty Clay Loam A-6		14 21	2.6S	14
316.8				
Loose, very moist, grey, fine Silty Sand 77% Sand 14% Silt 9% Clay	55.0	WH 1 4		21
311.8		Washed 3'		
Dense, moist, grey, fine Silty Sand 77% Sand 14% Silt 9% Clay	60.0	8 20 23		
306.8		Washed 2'		
Medium, moist, grey, fine Silty Sand 77% Sand 14% Silt 9% Clay	65.0	5 10 15		
	70.0	3 7 12		
297.3		Washed 1'		
Hard, damp, grey, weathered Clay Shale	75.0	3		

	DEPTH	BLOWS	Qu tsf	W%
Weathered Clay Shale 295.8		22 100/6"		
Hard, dry, grey, Clay Shale				
	80.0	100/2"		
286.3	85.0	100/1"		
Bottom of hole = 84.6 feet Free water observed at 40.0 feet Elevation referenced to BM @ NE wingwall = 384.3 feet To convert "N" values to "N60" values multiply by 1.25	90.0			
	95.0			
100.0				

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

BORING 4-S

JACOBS	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 039-0074	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			686	114B-1	JACKSON	113	114
	PLOT DATE = 19-OCT-2011	DRAWN - C. SALLADE	REVISED -					CONTRACT NO. 78049		
FILE NAME=039-0074978049-Boring Log4.dgn		CHECKED - E. KRACK	REVISED -		SHEET NO. 34 OF 35 SHEETS			ILLINOIS FED. AID PROJECT		

P:\CIX26703\700cadd\709str\039-0074978049-Boring Log4.dgn
19-OCT-2011
15:48