ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log

FA Rte 686 (IL 4) Over Beaucoup Creek

Sheet 1 of 2

Route: Rte 686 (IL Structure Number: 039-0042 Date: 10/6/2008
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 1-S (2008)
Station 1117+57
Offset 10' Lt CL
Ground Surface 386.0 Ft

Surf Wat Elev: 355.1
Ground Water Elevation
when Drilling 320
At Completion
At: Hrs:

Description	Depth	Blows	Qu tsf	W%
Asphalt and Crushed Aggregate				
384.0				
Stiff, moist, brown and grey, Clay to Silty Clay A7-6		2		
		2	1.1B	36
		3		
	5.0	1		
		2	1.2B	37
		3		
379.0				
Stiff, moist to very moist, grey, Clay A7-6		1		
		2	1.1S	35
		3		
376.5				
Medium, very moist, grey, Clay A7-6	10.0	1		
		1	0.6B	42
		1		
374.0				
Stiff, moist, grey, Clay A7-6		1		
		2	1.2B	36
		2		
	15.0	1		
		2	1.5B	36
		3		
369.0				
Stiff, moist, grey, Silty Clay A-6		1		
		2	1.9B	22
		3		
	20.0	1		
		4	1.7B	23
		4		
		1		
		2	1.2B	25
		4		
361.0	25.0	1		

Description	Depth	Blows	Qu tsf	W%
Stiff, moist, grey, Silty Clay to Clay A7-6		4	1.5B	23
		4		
		1		
		2	1.0B	24
		3		
356.5				
Medium, very moist, brown mottled grey, Silty Clay A-6	30.0	1		
		2	0.6B	26
		2		
	35.0	1		
		2	0.5B	26
		2		
		WH		
		1	0.6B	23
		2		
346.5				
Stiff, moist, brown, Clay A7-6	40.0	2		
		3	1.8B	21
		3		
341.5				
Very stiff, moist, grey and brown, Clay A7-6	45.0	2		
		4	2.5B	16
		8		
	50.0	2		

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: Rte 686 (IL 4) Date: 10/6/2008
Section: 115B, 115B-BR
County: Jackson

Boring No: 1-S (2008)
Station: 1117+57
Offset: 10' Lt CL
Ground Surface: 386.0 Ft

Description	Depth	Blows	Qu tsf	W%
Very stiff, moist, grey and brown, Clay A7-6		6	2.9B	17
		8		
	55.0	2		
		7	2.1B	17
		9		
	60.0	1		
		4	2.7B	19
		8		
	65.0	3		
		10	3.1B	18
		14		
316.5				
Very loose, wet, grey, fine Silty Sand 84% Sand 9% Silt 7% Clay	70.0	WR		
		WH		26
		WH		
312.5				
Medium, moist, grey, fine Sand		Washed 3'		
	75.0	6		

Description	Depth	Blows	Qu tsf	W%
Medium, moist, grey, fine Sand 79% Sand 16% Silt 5% Clay		11		21
		16		
			Washed 1'	
	80.0	4		
		9		
		10		
	85.0			
297.0				
Hard, damp, grey, Clay Shale			Washed 1'	
296.0	90.0	100/6"		
Bottom of hole = 90.0 feet				
Free water observed at 66.0 ft				
Elevation referenced to BM @ NE wingwall = 384.3 feet				
To convert "N" values to "N60" values multiply by 1.25	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 1-S