ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

Sheet 1 of 2

FA 776 (IL 242) Over Branch of Big Creek

Route: FA 776 (IL 242) Structure Number: 033-0029 Date: 10/9/2008

Section 102B, 102BY-3 Bored By: Rich Moberly

County: Hamilton Location: 6 miles south of Wayne County line Checked By: Rob Graeff

Boring No 2-S
Station 713+28
Offset 10' Rt CL
Ground Surface 389.6Ft

Surf Wat Elev: 376.9
Ground Water Elevation
when Drilling 364.6
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Asphalt and Crushed Aggregate				Medium, very moist, brown and grey, Sandy Clay Loam A-4 with Sand layers	3	0.6B	19
388.1				362.6	3		
Stiff, moist, grey mottled brown, Silty Clay A-6	1			Stiff, moist, grey mottled brown, Clay Loam A-6 with Sand layers	1		
	4	1.3B	22		4	1.5B	20
	4				4		
385.1							
5.0 Medium, very moist, grey mottled brown, Silty Clay A-6	1			30.0	1		
	2	0.6B	25		4	1.4S	21
	2				6		
				357.6		Washed 1'	
	1			Very stiff, moist, grey, Clay to Clay Loam A7-6	2		
	1	0.5B	28		5	2.5B	14
	2				7		
380.1							
10.0 Stiff, moist, grey mottled brown, Silty Clay A-6	1			35.0	3		
	2	1.2B	24		6	2.1B	13
	3				8		
377.6				352.6			
Very stiff, moist, grey mottled brown, Clay A7-6	1			Stiff, damp, grey, Loam A-4	6		
	3	2.3B	24		18	1.8S	19
	4				21		
375.1							
15.0 Stiff, moist, grey mottled brown, Clay to Silty Clay A7-6	1			40.0	3		
	3	1.2S	21		5	1.7S	22
	3				8		
372.6							
Stiff, moist, grey mottled brown, Clay A7-6	1						
	3	1.5B	21				
	4						
370.1							
20.0 Medium, very moist, grey and brown, Sandy Clay Loam A-4	1			45.0	3		
	3	0.8B	18		14	1.6S	21
	3				19		
367.6							
Soft, very moist, brown, Sand Loam A-4 with Sand seams	1						
	3	0.4B	20				
	4						
365.1				340.1			
25.0	1			50.0	1		

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 776 (IL 242)
Section: 102B, 102BY-3
County: Hamilton
Date: 10/9/2008

Boring No: 2-S
Station: 713+28
Offset: 10' Rt CL
Ground Surface: 389.6Ft

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Stiff, moist, grey, Clay A7-6 with Silt seams	5	1.7B	24				
	6						
335.1							
55.0 Stiff, moist, grey, Loam A-4	1			80.0			
	7	1.2S	120				
	10						
330.1							
60.0 Very stiff, moist, grey, Clay A7-6	3			85.0			
	4	2.6B	32				
	7						
324.6 65.0	14			90.0			
Hard, dry, grey, Clay Shale 324.1	100/5"						
Bottom of hole = 65.4 feet							
Free water observed at 25.0 feet							
Elevation referenced to BM @ SE corner = 387.6 feet							
70.0				95.0			
To convert "N" values to "N60" values multiply by 1.25							
75.0				100.0			

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

BORING 2

FILE NAME = 090039-sht-bridge.dgn	USER NAME =	DESIGNED - S.M.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS STRUCTURE NO. 033-0054	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - C.C.S.	REVISED -			776	102B-1	HAMILTON	52	45
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		SHEET NO. 22 OF 22 SHEETS			CONTRACT NO. 78067		
	PLOT DATE = 2/22/2011	CHECKED - M.D.C.	REVISED -					ILLINOIS FED. AID PROJECT		