ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 1

Overhead Sign Truss Over I 24 (WB Driving Shoulder)
Route: I 24 Structure Number: Truss # 9S064I024L037.7 Date: 9/11/2012
Section WBL Bored By: R Moberly
County: Massac Location: WB I24/US 45 Checked By: R Graeff

Boring No 2-ST
Station 365+81
Offset 62' Lt CL WBL
Ground Surface 99.0 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 79.5
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	Description
				Hard, damp, brown, Silt Loam to Silty Clay Loam A-4
	3			
	8	5.2S	14	
	7			
94.5				
5.0	1			Stiff, moist, grey mottled brown, Silty Clay A-6
	3	1.5S	21	
	4			
92.0				
	2			Very stiff, moist, brown, Clay A7-6
	3	3.1S	19	
	6			
89.5				
10.0	2			Stiff, moist, grey and brown, Silty Clay A-6
	5	1.6B	17	
	7			
87.0				
	2			Stiff to medium, moist, brown, Sandy Clay Loam A-4
	6	1.1S	16	
	7			
15.0	2			
	6	0.9S	15	
	7			
82.0				
	1			Soft, very moist, brown, Sand Loam to Sandy Clay Loam A-4
	3	0.3S	22	
	5			
79.5				
20.0	7			Dense, wet, brown, Sand and Gravel
	16			
	16			
	Washed 1'			
	8			
	17			
	20			
74.5				
25.0	20			

DEPTH	BLOWS	Qu tsf	W%	Description
	30			Very dense, wet, brown, Sand and Gravel
	34			
	18			
70.5	24			
	29			
30.0				Bottom of hole = 28.5 Feet
				Free water observed at 19.5 Feet
				Elevation referenced to top of existing shoulder foundation; Assumed elevation = 100.0 feet
				Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)
35.0				To convert "N" values to "N60" multiply by 1.25
40.0				
45.0				
50.0				

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 1

Overhead Sign Truss Over I 24 (Median)
Route: I 24 Structure Number: Truss # 9S064I024L037.7 Date: 9/11/2012
Section WBL Bored By: R Moberly
County: Massac Location: WB I24/US 45 Checked By: R Graeff

Boring No 1-ST
Station 365+82
Offset 43' Rt CL WBL
Ground Surface 97.3 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 78.8
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	Description
				Verey stiff, moist, brown, Silty Clay A-6
	3			
	5	3.9S	17	
	6			
92.8				
5.0	1			Medium to stiff, moist, grey and brown, Silt Loam to Silty Clay Loam A-4
	3	1.0S	19	
	3			
90.3				
	2			Very stiff, moist, brown mottled grey, Clay A7-6
	6	3.1B	19	
	8			
87.8				
10.0	1			Very stiff, moist, brown and grey, Clay to Clay Loam A7-6
	5	2.3B	17	
	6			
85.3				
	3			Medium, moist, brown and grey, Sand Loam to Sandy Clay Loam A-4
	7	0.6S	15	
	9			
82.8				
15.0	2			Soft, very moist, brown, Sand Loam A-4
	6	0.3S	15	
	8			
80.3				
	1			Soft, very moist, brown, Sandy Clay Loam A-4
	1	0.3B	22	
	2			
77.8				
20.0	5			Dense, wet, brown, Sand and Gravel
	14		15	32% Sand; 4% Silt
	18			2% Clay: 62% Gravel
75.3				
	6			Medium, wet, brown, Sand and Gravel
	10			
	14			
72.8				
25.0	8			

DEPTH	BLOWS	Qu tsf	W%	Description
	16			Dense, wet, brown, Sand and Gravel
	15			
	13			
	19			
	21			
30.0	18			
	19			
66.3	20			
				Bottom of hole = 31.0 Feet
				Free water observed at 18.5 Feet
				Elevation referenced to top of existing median foundation; Assumed elevation = 100.0 feet
35.0				Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)
				To convert "N" values to "N60" multiply by 1.25
40.0				
45.0				
50.0				

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

FILE NAME = c:\pw_work\pwidot\pritchattll\d0334584\sign structure2013-sht-pln.dgn	USER NAME = pritchattll	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/20/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING
9S064I024L037.7

SCALE: | SHEET | OF | SHEETS | STA. | TO STA.

*VARIOUS ROUTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 DVD SIN STR REPL13-11	VARIOUS	29	25
		CONTRACT NO. 46227		
		ILLINOIS FED. AID PROJECT		