ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

Overhead Sign Truss Over I 24 (WB Driving Shoulder)

Sheet 1 of 1

Route: I 24 Structure Number: Truss # 9S064I024L038.6 Date: 9/10/2012

Section WBL Bored By: R Moberly

County: Massac Location: WB at Ohio River Checked By: R Graeff

Boring No 2-ST
Station 412+24
Offset 18' Lt CL WBL
Ground Surface 98.5 Ft

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

Description	Depth	Blows	Qu tsf	W%
Asphalt over crushed aggregate				
97.0				
Medium, very moist, red brown, Clay Loam to Silty Clay Loam A-6		2		
		4	0.8B	16
		4		
94.0				
Very stiff, moist, brown, Silty Clay A7-6	5.0	3		
		5	2.1B	16
		6		
		2		
		4	2.5B	16
		5		
89.0				
Stiff, moist, brown mottled grey, Clay A7-6	10.0	1		
		3	1.5B	22
		4		
		2		
		3	1.9B	20
		4		
	15.0	2		
		4	1.8B	19
		6		
		2		
		3	1.5B	17
		7		
79.0				
Very stiff, moist, brown and grey, Clay to Silty Clay A7-6	20.0	2		
		4	2.3B	18
		6		
		3		
		5	2.1B	19
		7		
	25.0	3		

Description	Depth	Blows	Qu tsf	W%
Very stiff, moist, brown and grey, Clay to Silty Clay A7-6		5	2.9B	20
		7		
		2		
		5	2.3S	16
		7		
69.0				
Stiff, moist, grey, Silt Loam A-4	30.0	4		
		10	1.1S	14
67.5		11		
Bottom of hole = 31.0 Feet				
No free water observed				
Elevation referenced to top of existing WB shoulder 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)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

Overhead Sign Truss Over I 24 (EB Driving Shoulder)

Sheet 1 of 1

Route: I 24 Structure Number: Truss # 9S064I024L038.6 Date: 9/10/2012

Section WBL Bored By: R Moberly

County: Massac Location: WB at Ohio River Checked By: R Graeff

Boring No 1-ST
Station 412+55
Offset 18' Rt CL EBL
Ground Surface 98.0 Ft

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

Description	Depth	Blows	Qu tsf	W%
Asphalt over crushed aggregate				
96.5				
Very stiff, moist, brown, Silty Clay A7-6		1		
		3	2.3B	19
		3		
93.5				
Stiff to very stiff, moist, brown, Clay A7-6	5.0	1		
		3	2.0B	20
		4		
		2		
		3	2.3B	19
		5		
	10.0	2		
		4	2.5B	24
		6		
		2		
		3	2.1B	19
		5		
83.5				
Stiff, moist, brown mottled grey, Clay A7-6	15.0	2		
		3	1.3B	19
		4		
		2		
		4	1.9B	18
		5		
78.5				
Very stiff, moist, brown, Clay A7-6	20.0	2		
		4	2.3B	21
		6		
		2		
		4	2.3B	19
		6		
	25.0	2		

Description	Depth	Blows	Qu tsf	W%
Very stiff, moist, brown, Clay A7-6		5	2.3B	20
		7		
71.0				
Very stiff, moist, brown and grey, Silty Clay A7-6		3		
		7	2.5B	18
		8		
	30.0	3		
		7	2.9B	19
67.0		8		
Bottom of hole = 31.0 Feet				
No free water observed				
Elevation referenced to top of existing EB shoulder 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\pritchettjl\d0334584\sign structure2013-sht-pln.dgn	USER NAME = pritchettjl	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/28/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING
9S064I024L038.6

SCALE: SHEET OF SHEETS STA. TO STA.

*VARIOUS ROUTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 OVD SIN STR REPL13-11	VARIOUS	29	26
		CONTRACT NO. 46227		
		ILLINOIS FED. AID PROJECT		