ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge-Foundation Boring Log
Sheet 1 of 2

FAP 328 (US 45) Over Beaver Creek

Route: FAP 328 (US45) Structure Number: 097-0022 Date: 4/1/2009
Section 105-BR-3 Bored By: R Moberly
County: White Location: 1 mile South of Springerton Road Checked By: Rob Graeff

Boring No 2-S
Station 809+15
Offset 7' Rt CL
Ground Surface 384.2 Ft

Surf Wat Elev: 367.1
Ground Water Elevation
when Drilling 349.2
At Completion
At: Hrs:

Description	Depth	Blows	Qu tsf	W%
Asphalt over Concrete				
382.7				
Medium, very moist, grey, Clay A7-6		1		
		1	0.6B	24
		1		
379.7				
Stiff, moist to very moist, grey, Clay A7-6	5.0	1		
		1	1.2B	24
		2		
		1		
		1	1.0B	27
		2		
	10.0	1		
		1	1.0B	25
		2		
		1		
		1	1.3B	26
		2		
369.7				
Medium to soft, very moist, dark grey, Clay to Silty Clay A-6	15.0	1		
		1	0.5B	29
		2		
367.2				
Medium, very moist, grey, Clay A7-6		1		
		1	0.7B	27
		2		
364.7				
Very stiff, moist, grey mottled brown, Clay A7-6	20.0	1		
		4	3.1B	23
		8		
362.2				
Hard, moist, brown, Clay A7-6		2		
		7	4.7B	23
		10		
	25.0	2		
Hard, moist, brown, Clay A7-6		7	4.1B	26
		10		
357.2				
Very stiff, moist, brown mottled grey, Clay A7-6		1		
		4	2.5B	28
		7		
354.7				
Stiff, moist, brown mottled grey, Clay A7-6	30.0	1		
		4	1.6B	23
		6		
		1		
		3	1.7B	22
		4		
349.7				
Very stiff, moist, brown, Silty Clay to Silty Clay Loam A-6	35.0	1		
		4	2.3B	22
		6		
347.2				
Stiff, moist, grey mottled brown, Silty Clay to Silty Clay Loam A-6 with Sand lenses		1		
		3	1.6B	20
		3		
344.7				
Medium dense, very moist, grey, Silty Sand with Clay layers 76% Sand 18% Silt 6% Clay	40.0	1		
		7		19
		10		
			Washed 3'	
	45.0	2		
		14		
		14		
			Washed 2'	
	50.0	6		

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: FAP 328 (US45) Date: 4/1/2009
Section: 105-BR-3
County: White

Boring No: 2-S
Station: 809+15
Offset: 7' Rt CL
Ground Surface: 384.2 Ft

Description	Depth	Blows	Qu tsf	W%
Stiff, moist, grey, Sandy Clay Loam to Clay Loam A-4		13	1.2S	13
		14		
329.7				
Very stiff, moist, grey, Clay Loam A-4	55.0	14		
		22	3.3S	10
		24		
324.7				
Very stiff, moist, grey and brown, Clay to Clay Loam A7-6	60.0	2		
		8	3.9B	16
		12		
	65.0	4		
		13	3.9B	17
		18		
314.7				
Hard, moist, grey , Clay A7-6	70.0	4		
		12	5.0B	19
		16		
309.2	75.0	12		
Hard, dry, grey, Clay Shale		100/10"		
299.2	85.0	100/4"		

Bottom of hole = 84.8 feet

Free water observed at 35.0 feet

Elevation referenced to BM @ SW wingwall; Elev.= 381.8 feet

To convert "N" values to "N60" multiply by 1.25

Depth	Blows	Qu tsf	W%
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 2-S

FILE NAME = 090116-sht-bridge.dgn	USER NAME =	DESIGNED - S.M.S.	REVISED - 10/14/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS STRUCTURE NO. 097-0075	FAP	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000359		CHECKED - A.S.L.	REVISED - 12/10/10			328	105B-2	WHITE	55 / 45
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -					CONTRACT NO. 78188	
	PLOT DATE = 1/5/2011	CHECKED - M.D.C.	REVISED -		SHEET NO. 24 OF 24 SHEETS			ILLINOIS FED. AID PROJECT	