ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAP 328 (US 45) Over Beaver Creek — Sheet 1 of 2

Route: FAP 328 (US45) Structure Number: 097-0022 Date: 3/26/2009

Section 105-BR-3 Bored By: R Moberly

County: White Location: 1 mile South of Springerton Road Checked By: Rob Graeff

Boring No 1-S
Station 807+75
Offset 7' Lt CL
Ground Surface 384.3Ft

Surf Wat Elev: 367.1
Ground Water Elevation when Drilling 343.3
At Completion
At: Hrs:

	DEPTH	BLOWS	Qu tsf	W%
Asphalt, over Concrete				
382.8				
Stiff, moist, grey, Clay A7-6		1		
		1	1.5B	26
		2		
	5.0	1		
		1	1.8B	22
		2		
		1		
		2	1.3B	24
		2		
374.8				
Medium, moist to very moist, grey, Clay A7-6	10.0	1		
		1	0.8B	28
		1		
372.3				
Medium, very moist, grey, Silty Clay A-6		WH		
		1	0.7B	26
		1		
369.8				
Soft, very moist, grey, Silty Clay A-6	15.0	WH		
		WH	0.4B	29
		1		
367.3				
Stiff to very stiff, moist, grey mottled brown, Clay A7-6		1		
		2	1.8B	22
		4		
	20.0	1		
		3	2.3B	22
		4		
362.3				
Hard, moist, brown mottled grey, Clay A7-6		2		
		5	4.5B	22
		8		
	25.0	2		

	DEPTH	BLOWS	Qu tsf	W%
Hard, moist, brown mottled grey, Clay A7-6		7	4.3B	26
		11		
357.3				
Very stiff, moist, brown mottled grey, Clay A7-6		1		
		4	3.1B	30
		6		
354.8				
Stiff, moist, brown mottled grey, Clay A7-6	30.0	1		
		3	1.6B	25
		5		
		1		
		3	1.5B	22
		3		
349.8				
Very stiff, moist, brown mottled grey, Clay A7-6	35.0	1		
		3	2.9B	18
		5		
		1		
		2	2.1B	21
		4		
344.8				
Medium, very moist, grey, Silty Clay A-6	40.0	WH		
		WH	0.6B	26
		WH		
339.8				
Medium, very moist, grey, Silty Clay Loam A-4 with Sand seams and layers	45.0	1		
		2	0.7B	21
		2		
334.8				
Stiff, moist, grey, Silt to Silt Loam	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: FAP 328 (US45) Date: 3/26/2009

Section: 105-BR-3

County: White

Boring No: 1-S
Station: 807+75
Offset: 7' Lt CL
Ground Surface: 384.3Ft

	DEPTH	BLOWS	Qu tsf	W%
A-4 with Sand layers		5	1.1S	22
		5		
329.8		Washed 1'		
Stiff, moist, grey, Silty Clay Loam A-6	55.0	1		
		4	1.6B	13
		7		
324.8				
Medium, moist, grey, Sand with fine Gravel	60.0	4		
		8	No Rec	
		12		
319.8				
Stiff, moist to very moist, grey, Clay A7-6	65.0	4		
		7	1.2B	21
		8		
314.8				
Very stiff, moist, grey, Clay A7-6	70.0	2		
		4	2.9B	22
		7		
309.8				
Hard, damp to moist, grey,	75.0	4		

	DEPTH	BLOWS	Qu tsf	W%
Clay to Clay Loam A-6 (12)		11	4.7B	15
		14		
304.8				
Hard, dry, grey, Clay Shale 304.3	80.0	100/4"		
Bottom of hole = 79.8 feet				
Free water observed at 41.0 feet				
Elevation referenced to BM @ SW wingwall; Elev.= 381.8 feet				
To convert "N" values to "N60" multiply by 1.25	85.0			
	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 1-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. 3365 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - A.S.L.	REVISED - 12/10/10			328	105B-2	WHITE	55	44
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -					CONTRACT NO. 78188		
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 1/5/2011	CHECKED - M.D.C.	REVISED -		SHEET NO. 23 OF 24 SHEETS			ILLINOIS FED. AID PROJECT		