ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAP 328 (US 45) Over Southern Outlet drainage ditch

Sheet 1 of 2

Route: FAP 328 (US 45) Structure Number: 097-0021 Date: 5/7/2009

Section 105B, 105BY-1 Bored By: R Moberly

County: White Location: 2.5 miles south of Mill Shoals Checked By: R Graeff

Boring No 2-S
Station 655+50
Offset 8' Rt CL
Ground Surface 384.6 Ft

Surf Wat Elev: 368.4
Ground Water Elevation
when Drilling
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Asphalt				Stiff, moist, grey, Clay A7-6	4		
					6	1.8B	24
383.1							
Medium to stiff, very moist, grey							
mottled brown, Clay A7-6	1				1		
	1	1.0B	26		3	1.7B	29
	1				4		
				355.1			
5.0	1			Very stiff, moist, grey, Clay A7-6 30.0	1		
	2	0.8B	26		4	3.1B	26
	2				4		
377.6				352.6			
Stiff, moist, brown mottled grey,	1			Stiff, moist, grey, Clay A7-6	1		
Clay A7-6	2	1.4B	23		3	1.4B	24
	3				4		
				350.1			
10.0	1			Medium, very moist, grey, Clay 35.0	1		
	2	1.6B	23	to Silty Clay A-6 with a Sand	2	0.7B	24
	3			layer	3		
372.6				347.6			
Medium, very moist, brown	WH			Very stiff, damp, grey, weathered	2		
mottled grey, Clay A7-6	1	0.8B	23	Clay Shale	10	2.3S	19
	2				21		
370.1							
Stiff, moist, grey mottled brown, 15.0	1			40.0	2		
Clay A7-6	2	1.9S	35		9		
	3				16		
				342.6			
	1			Hard, dry, grey, Limestone 342.1	100/1"		
	1	1.6B	44				
	1			Cored 42.1 to 47.1 feet			
				100% Rec; 88% RQD			
20.0	1			Hard, dry, dark grey, Limestone 45.0			
	2	1.3B	34	and Coal with Clay Shale layer			
	2						
362.6				337.6			
Medium, very moist, grey, Clay	WH						
A7-6	WH	0.7B	26	Cored 47.1 to 52.1 feet			
	1			100% Rec; 65% RQD			
360.1				Hard, dry, grey, Clay Shale with			
Stiff, moist, grey, Clay A7-6 25.0	1			Clay layers 50.0			

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 (US 45)
Section: 105B, 105BY-1
County: White
Date: 5/7/2009

Boring No: 2-S
Station: 655+50
Offset: 8' Rt CL
Ground Surface: 384.6 Ft

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Hard, dry, grey, Clay Shale with							
Clay layers							
332.6							
Cored 52.1 to 57.1 feet							
93% Rec; 58% RQD							
Hard, dry, grey, Clay Shale with 55.0				80.0			
Clay layers							
327.6							
Bottom of hole = 57.1 feet							
No free water observed							
Elevation referenced to BM @ 60.0				85.0			
SW wingwall; Elev.= 382.5 ft							
To convert "N" values to "N60"							
multiply by 1.25							
65.0				90.0			
70.0				95.0			
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-S

FILE NAME = 090148-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS STRUCTURE NO. 097-0076	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3066 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000059		CHECKED - C.C.S.	REVISED -			328	105B-1	WHITE	54	47
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -					CONTRACT NO. 78161		
	PLOT DATE = 7/13/2011	CHECKED - M.D.C.	REVISED -		SHEET NO. 26 OF 26 SHEETS			ILLINOIS FED. AID PROJECT		