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: 5/5/2009

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

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

Boring No 1-S
Station 654+12
Offset 24' Lt CL
Ground Surface 384.1Ft

Surf Wat Elev: 368.4
Ground Water Elevation when Drilling 344.6
At Completion
At: Hrs:

Description	Depth	Blows	Qu tsf	W%
Medium, moist to very moist, brown, Silty Clay A-6		1 2 3	0.8B	23
	379.6			
Stiff, moist, grey mottled brown, Clay to Silty Clay A7-6	5.0	1 2 3	1.3B	26
	374.6			
Medium, very moist, grey mottled brown, Silty Clay A-6	10.0	1 1 2	0.6B	23
	372.1			
Medium, moist to very moist, brown, Silt Loam A-4		1 2 3	0.9S	26
	369.6			
Stiff, moist to very moist, grey, Clay A7-6	15.0	1 1 1	1.1B	34
	367.1			
Soft, very moist, grey, Clay A7-6		WH WH WH	0.3B	45
	364.6			
Medium, moist to very moist, grey, Clay to Silty Clay A7-6	20.0	WH 1 2	0.9B	33
	362.1			
Stiff, moist, grey, Clay A7-6		WH 1 2	1.2B	26
	25.0	1		
Stiff, moist, grey, Clay A7-6		4 6	1.9B	24
	354.6			
Very stiff, moist, grey, Clay A7-6	30.0	1 4 6	2.9B	26
	352.1			
Stiff, moist, grey, Clay A7-6		1 3 5	1.5B	25
	349.6			
Medium, moist to very moist, grey, Clay A7-6	35.0	1 2 4	0.8B	30
	344.6			
Medium to soft, very moist, grey and brown, Clay A7-6 with gravel	40.0	1 2 2	0.5B	28
	340.6			
Hard, dry, grey, Shale	340.1	100/1"		
	45.0			
Hard, dry, grey, Clay Shale over Limestone Cored 44.0 to 49.0 feet 83% Recovery; 34% RQD				
	335.1			
Hard, dry, grey, Clay Shale with Limestone 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: 5/5/2009

Boring No: 1-S
Station: 654+12
Offset: 24' Lt CL
Ground Surface: 384.1Ft

Description	Depth	Blows	Qu tsf	W%
Hard, dry, grey, Clay Shale with Limestone layers Cored 49.0 to 54.0 feet 100% Recovery; 35% RQD				
	330.1			
Hard, dry, grey, Clay Shale	55.0			
Cored 54.0 to 59.0 feet 100% Recovery; 33% RQD				
	325.1			
Bottom of hole = 59.0 feet	60.0			
Free water observed at 39.5 feet				
Elevation referenced to BM @ SW wingwall; Elev.= 382.5 ft				
To convert "N" values to "N60" multiply by 1.25				
	65.0			
	70.0			
	75.0			
	80.0			
	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 = 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. 5585 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - C.C.S.	REVISED -			328	105B-1	WHITE	54 / 46
H&LR ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		SHEET NO. 25 OF 26 SHEETS			CONTRACT NO. 78161	
	PLOT DATE = 7/13/2011	CHECKED - M.D.C.	REVISED -			ILLINOIS	FED. AID PROJECT		