ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 1

FAP 332 (IL 1) Over Flanders Creek
Route: FAP 332 (IL 1) Structure Number: 097-0010 Date: 10/21/2008
Section 3-B-Y Bored By: Rich Moberly
County: White Location: 3 Miles South of Carmi Checked By: Rob Graeff

Boring No 1-S
Station 381+92
Offset 13' Lt CL
Ground Surface 380.8 Ft

Surf Wat Elev: 368.1
Ground Water Elevation
when Drilling 353.8
At Completion 355.8
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	Soil Description
				Asphalt
				379.8
				Stiff, moist, brown, Silty Clay A-6
	1			
	2	1.2P	20	
	3			
5.0	1			
	2	1.2B	13	
	3			
				373.8
	1			Soft, very moist, brown, Silty Clay Loam to Silt Loam A-4
	2	0.4B	28	
	1			
				371.3
10.0	1			Stiff, moist, brown, Clay Loam A-6
	4	1.2B	17	
	5			
				368.8
	2			Stiff, moist, brown mottled grey, Clay to Clay Loam A7-6
	4	1.2B	19	
	4			
				366.3
15.0	1			Very stiff, moist, brown mottled grey, Clay A7-6
	5	2.7B	20	
	8			
	1			
	4	2.3B	18	
	5			
				361.3
20.0	1			Stiff, moist, grey, Clay A7-6
	3	1.5S	21	
	4			
	1			
	3	1.2S	28	
	3			
				355.8
25.0	1			

DEPTH	BLOW	Qu tsf	W%	Soil Description
	12			Very Dense, damp, grey, Weathered Clay Shale and Sandstone
	30			
				353.3
	20			V Dense, dr, gr, Sandstone 352.8
	100/4"			
				Bottom of hole 27.8 feet
30.0				Free water observed at 27.0 ft
				Elevation referenced to BM @ NE Wingwall = 381.2 feet
				To convert "N" values to "N60" multiply by 1.25
35.0				
40.0				
45.0				
50.0				

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear R-Estimated P-Penetrometer)

BORING 1-S

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 1

FAP 332 (IL 1) Over Flanders Creek
Route: FAP 332 (IL 1) Structure Number: 097-0010 Date: 10/20/2008
Section 3-B-Y Bored By: Rich Moberly
County: White Location: 3 Miles South of Carmi Checked By: Rob Graeff

Boring No 2-S
Station 382+55
Offset 14' Rt CL
Ground Surface 381.3 Ft

Surf Wat Elev: 368.1
Ground Water Elevation
when Drilling 354.3
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	Soil Description
				Asphalt
				380.3
				Stiff, moist, brown, Silty Clay A-6
	1			
	3	1.4B	16	
	3			
5.0	1			
	3	1.5B	21	
	3			
				374.3
	1			Medium, very moist, brown, Silty Clay Loam to Silt Loam A-4
	2	0.7B	27	
	1			
				371.8
10.0	1			Stiff, moist, brown, Loam to Silt Loam A-4
	1	1.1S	14	
	5			
				369.3
	2			Very Stiff, moist, brown, Clay A7-6
	5	3.1B	18	
	8			
15.0	2			
	5	2.9B	19	
	8			
				364.3
	1			Stiff, moist, grey, Clay A7-6
	3	1.2B	21	
	4			
20.0	1			
	3	1.2B	22	
	3			
	1			
	2	1.2B	22	
	4			
				356.3
25.0	1			

DEPTH	BLOW	Qu tsf	W%	Soil Description
	3	0.7S	25	Medium, very moist, grey, Clay Loam to Silty Clay Loam A-4
	3			
				353.8
	3			Hard, dry, grey, Sandy Clay Shale
	100/4"			
				351.8
30.0	100/4"			Hard, dry, grey, Clay Shale with Sandstone layers
				349.3
	100/2"			Cored from 32.0 to 37.0 feet 100% Rec, 50% RQD
				Hard, dry, grey, Sandstone with Clay Shale layers
35.0				
				344.3
				Bottom of hole = 37.0 feet
				Free water observed at 27.0 feet
40.0				Elevation referenced to BM @ NE Wingwall = 381.2 feet
				To convert "N" values to "N60" multiply by 1.25
45.0				
50.0				

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear R-Estimated P-Penetrometer)

BORING 2-S

1 Rev. Sheet 9-13-13

FILE NAME = D978103-sht-bridge.dgn	USER NAME = #USER#	DESIGNED - A.S.L.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - J.R.T.	REVISED -
	PLOT SCALE = #SCALE#	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 5/8/2013	CHECKED - M.D.C.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS
STRUCTURE NO. 097-0074
SHEET NO. 19 OF 19 SHEETS

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	2B-1	WHITE	52	43
IL 1 OVER FLANDERS CREEK		CONTRACT NO. 78103		
ILLINOIS FED. AID PROJECT				