STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

FAP 776 (IL Rte 242) Over Shelton Creek

Route FAP 776 (IL 242 Structure Number: 033-0026 (existing) Date: 7/24/2007
Section 102B Bored By: Rich Moberly
County: Hamilton Location: 1.4 mile South of Wayne Co. Line Checked By: Rob Graeff

Boring No 1-S
Station 470+24
Offset 31' Lt CL
Ground Surface 383.9 Ft

Surf Wat Elev: 368.1
Ground Water Elevation
when Drilling 18.5
At Completion
At: 14.7 Hrs: 24

Description	DEPTH	BLOWS	Qu tsf	W%
Hard, damp, brown, Clay to Silty Clay A7-6				
		1		
		5	4.8S	12
		4		
	379.4			
Stiff, very moist, grey mottled brown, Clay to Silty Clay A7-6	5.0	1		
		3	1.2B	30
		2		
	376.9			
Medium to soft, very moist, dark grey, Silty Clay Loam to Silty Clay A7-6		WH		
		WH	0.5B	57
		1		
	374.4			
Medium, veery moist, grey, Clay A7-6	10.0	WH		
		1	0.7B	27
		1		
	371.9			
Stiff, moist to very moist, grey mottled brown, Clay to Silty Clay A7-6		1		
		2	1.8B	26
		3		
	369.4			
Medium, very moist, brown mottled grey, Clay A7-6 with sand seams	15.0	1		
		2	0.7S	26
		2		
	366.9			
Stiff, moist to very moist, dark grey, Sandy Clay Loam to Clay Loam A-4 w/ sand seams		1		
		1	1.1S	22
		2		
	364.4			
Very stiff, moist to very moist, grey, Clay to Clay Loam A7-6	20.0	1		
		2	2.5B	21
		3		
	361.9			
Medium to stiff, very moist, grey, Sand Loam to Sandy Clay Loam A-4		1		
		2	1.0S	21
		3		
	359.4			
	25.0	1		
Medium, very moist, grey, Sand Loam to Sandy Clay Loam A-4 w/ clay seams		2	0.6B	26
		4		
	356.9			
Stiff, moist to very moist, grey, Sand Laom to Sandy Clay Loam A-4 with clay seams		1		
		3	1.4S	21
		4		
	354.4			
Very stiff, moist, grey, Clay to Clay Loam A7-6	30.0	1		
		4	3.1B	16
		6		
	351.9			
Hard, damp to moist, grey, Clay to Clay Loam A-6		2		
		6	4.1B	14
		9		
	35.0	2		
		6	4.0B	14
		9		
		3		
		10	5.2B	13
		13		
	344.4			
Hard, moist, grey, Clay A7-6	40.0	2		
		6	4.1B	18
		8		
	339.4			
Stiff, moist to very moist, grey, Clay A7-6	45.0	1		
		4	1.8B	22
		5		
	334.4			
	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
Date: 7/24/2007

Route FAP 776 (IL 242)
Section: 102B
County: Hamilton

Boring No: 1-S
Station: 470+24
Offset: 31' Lt CL
Ground Surface: 383.9 Ft

Description	DEPTH	BLOWS	Qu tsf	W%
Stiff, moist, grey, Clay to Clay Loam A-7-6		4	1.5B	18
		7		
	330.4			
Hard, dry to damp, grey, Clay Shale	55.0	100/3"		
	60.0	100/4"		
	318.9	65.0	100/4"	
Bottom of hole= 64.8 feet				
Free water observed at 18.5 feet				
Elevation referenced to BM at SE headwall= 386.7 feet				
To convert "N" values to "N60" values, multiply by 1.25.				
	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

BORING LOGS
IL ROUTE 242 OVER
SHELTON CREEK
STATION 470+76

DESIGNED	-
CHECKED	-
DRAWN	- JLR
CHECKED	- CJW

JACOBS

SHEET NO. 25	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 SHEETS	776	(102)B-1	HAMILTON	53	52
	S.N. 033-0053		CONTRACT NO. 78016		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		