STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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District Nine Materials

Bridge Foundation
Boring Log

FAP 776 (IL 242) Over Stream

Sheet 1 of 2

Route: P 776 (IL 242 Structure Number: 033-0028 (existing) Date: 10/1/2007
Section 102B Bored By: RM
County: Hamilton Location: 5 Mi S Wayne County line Checked By: RM

Boring No 2-S
Station 658+77
Offset 8' Rt CL
Ground Surface 387.9 Ft

Surf Wat Elev: 375.9
Ground Water Elevation
when Drilling 362.9
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%
	Asphalt, Concrete and soil		
385.9			
	Stiff, moist, grey mottled brown, Silty Clay A-6		
	1		
	2	1.7B	25
	3		
383.4			
5.0	Medium, moist to very moist, grey, Silty Clay to Silty Clay Loam A-6		
	WH		
	1	0.8B	25
	2		
380.9			
	Medium to stiff, moist to very moist, grey, Clay to Silty Clay A-6		
	1		
	2	1.0B	27
	2		
10.0			
	1		
	2	0.8B	26
	2		
375.9			
	Stiff, moist, grey mottled brown, Clay to Silty Clay A7-6		
	1		
	3	1.4B	24
	4		
15.0			
	1		
	3	1.2B	23
	4		
	1		
	3	1.6B	20
	3		
368.4			
20.0	Stiff, moist, brown mottled grey, Clay to Silty Clay A-6		
	1		
	3	1.1B	18
	5		
365.9			
	Medium, very moist, brown mottled grey, Silty Clay Loam to Clay Loam A-6		
	1		
	2	0.8B	18
	3		
363.4			
25.0	1		

DEPTH	BLOWS	Qu tsf	W%
	Stiff, moist, grey mottled brown, Clay to Silty Clay A7-6		
	4	1.2B	19
	8		
360.9			
	Hard, damp, brown, Clay to Clay Loam A-6		
	3		
	13	4.1B	11
	19		
358.4			
30.0	Medium, very moist, brown, Fine Sand w/ clay layers		
	3		20
	15		
	93% Sand, 5% Silt, 2% Clay		
	3		
	12		
	13		
353.4			
35.0	Dense, very moist, brown, Fine Silty Sand		
	7		
	17		22
	22		
	74% Sand, 21% Silt, 5% Clay		
	8		
	12		
	20		
348.4			
40.0	Stiff, moist to very moist, grey, Clay A7-6		
	6		
	6	1.6B	24
	7		
343.4			
45.0	Medium to Coarse Sand and Gravel		
	8		
	15		
	20		
338.4			
50.0	4		

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: P 776 (IL 242) Date: 10/1/2007
Section: 102B
County: Hamilton

Boring No: 2-S
Station: 658+77
Offset: 8' Rt CL
Ground Surface: 387.9 Ft

DEPTH	BLOWS	Qu tsf	W%
	Very stiff, moist, grey, Silty Clay A-6		
	7	3.3B	26
	10		
333.4			
55.0	Very stiff, moist, grey, Clay Loam A-4		
	6		
332.4			
	14		
331.9	Hard, dry, grey, Clay Shale		
	70		
	Bottom of hole = 56.0 feet		
	Free water observed at 25.0 ft		
	Elevation referenced to BM at NW wingwall = 387.4 feet		
60.0			
	To convert "N" values to "N60" values multiply by 1.25		
65.0			
70.0			
75.0			

DEPTH	BLOWS	Qu tsf	W%
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 LOGS 2
IL RTE. 242 OVER UNNAMED STREAM
STATION 659+11.74
STRUCTURE NO. 033-2010

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL. ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL
DESIGNED BY: CJW
CHECKED BY: WLB
DRAWN BY: GLD
DATE: 4/12/10

SHEET NO. 8
8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	102B-4	HAMILTON	42	28
		CONTRACT NO. 78081		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		