STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 2

Interstate 57 Over 7th Street

Route: Interstate 57 Structure Number: 028-0004/5 Date: 10/19/2005
Section: Bored By: Bryan Keller
County: Franklin Location: At NCL W. Frankfort Checked By: Rob Graeff

Boring No 5-S
Station 119+68
Offset 2' LT CL of Median
Ground Surface 393.7 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 371.7
At Completion 373
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	DEPTH	BLOW	Qu tsf	W%
Stiff, moist to damp, brown, Silty Clay Loam A-6				Stiff, very moist, grey, Clay A7-6	2	1.6B	28
				366.7	3		
	3			Very stiff, very moist, grey, Clay to Silty Clay A7-6	2		
	5	1.6B	17		4	2.3S	28
	5			364.2	4		
389.2							
Stiff, moist, brown, Silty Clay A-6 5.0	2			Very stiff, moist to very moist, grey, Silt Loam A-4 30.0	2		
	4	2.1S	18		7	2.3S	19
	4			361.7	7		
386.7							
Stiff, moist, brown mottled grey, Silty Clay A-6	2			Very loose, wet, brown, fine to medium, Silty Sand with Silt Loam Layers 77% Sand; 20% Silt 3% Clay	WR		
	4	1.9B	21		WH		21
	5				3		
384.2				359.2			
Very stiff, moist, brown mottled grey, Clay A7-6 10.0	2			Medium, wet, brown, fine to medium, Silty Sand with Silt Loam Layers 77% Sand; 20% Silt 3% Clay 35.0	6		
	4	2.7S	20		9		
	5				14		
				356.7			
	2			Stiff, wet, grey, Silt Loam A-4	4		
	5	2.1S	18		9	1.1S	22
	4				11		
379.2							
Stiff, very moist, brown mottled grey, Clay to Silty Clay A7-6 with some Pea Gravel 15.0	2			40.0	11		
	3	1.1B	18		13	1.8S	19
	4				13		
	2						
	3	1.7B	16				
	4						
				349.2			
20.0	3			Stiff, very moist, grey, Silty Clay A7-6 45.0	2		
	5	1.6B	18		3	1.4S	23
	6				3		
371.7							
Medium, wet, brown, Silt Loam A-4	1						
	2	0.8S	24				
	4						
369.2				344.2			
25.0	2			50.0	2		

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: Interstate 57
Section:
County: Franklin Date: 10/19/2005

Boring No: 5-S
Station: 119+68
Offset: 2' LT CL of Median
Ground Surface: 393.7 Ft

DEPTH	BLOW	Qu tsf	W%		DEPTH	BLOW	Qu tsf	W%
Very stiff, moist, grey, Clay A7-6	8	3.7S	23	No recovery		3		
	22					8		
339.2				314.2				
Hard, moist, brown, Clay A7-6 55.0	5			Hard, dry, Grey Sandstone 313.7	80.0	100/3"		
	15	4.7S	23					
	20							
334.2								
Loose, wet, grey, very fine Silty Sand with Clay Layers 79% Sand 10% Silt 11% Clay 60.0	1			Hard, dry, grey Sandstone 308.7	85.0	100/1"		
	3		26					
	5			Bottom of hole = 85.0 ft.				
				Free water observed at 22.0 ft				
				Elevations referenced to Bk. No. Abut Sta 118+74 EL. 418.9 NB.57				
329.2								
Stiff, to very stiff, moist to very mosit, grey, Clay A7-6 65.0	2			To convert "N" values to "N60" values multiply by 1.25.	90.0			
	4	2.0S	20					
	6							
324.2								
Very stiff, moist to very moist, grey, Silty Clay A7-6 70.0	4				95.0			
	9	2.1B	17					
	15							
75.0	1				100.0			

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

SOIL BORING LOGS
STRUCTURE NO. 028-0079 (N.B.)
STRUCTURE NO. 028-0080 (S.B.)

SHEET NO. 29	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(28-5)VB-1	FRANKLIN	81	52
SHEETS 29			CONTRACT NO. 78157		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

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DESIGNED JAD
CHECKED JGS
DRAWN JAD
CHECKED JGS