STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 3

Interstate 57 Over 7th Street

Route: Interstate 57 Structure Number: 028-0004/5 Date: 6/28/2005
Section: Bored By: Bryan Keller
County: Franklin Location: At NCL W. Frankfort Checked By: Rob Graeff

Boring No 4-S
Station 119+34
Offset 7' LT CL Median
Ground Surface 393.2 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 363.7
At Completion
At: 20 Hrs: 384.0

DEPTH	BLOW	Qu tsf	W%	DEPTH	BLOW	Qu tsf	W%
Stiff, moist, grey, Clay A7-6					5	2.1S	26
					5		
				366.2			
	3			Very stiff, moist, grey to brown,	2		
	4	1.7S	24	Silt Loam A-4	6	2.7S	20
	7				7		
388.7				363.7			
Very stiff, moist, grey mottled	5.0 2			Loose, wet, brown, very fine,	30.0 1		
brown, Clay to Silty Clay	4	2.3B	20	Silty Sand with Silt Loam Layers	2		24
A7-6	4			53% Sand	3		
386.2				42% Silt			
				5% Clay 361.2			
Stiff, very moist, grey mottled	2			Medium, wet, brown to grey,	3		
brown, Clay to Silty Clay A7-6	4	1.3S	27	fine, Silty Sand with Silt Loam	6		
	3			Layers	5		
383.7				53% Sand			
				42% Silt			
Very stiff, moist, grey mottled	10.0 2			5% Clay	35.0 5		
brown, Clay to Silty Clay	5	2.9S	20		9		
A7-6	4				12		
	3				5		
	4	3.0S	19		9		
	6				12		
378.7							
Stiff, moist, brown mottled grey,	15.0 2				40.0 5		
Silty Clay to Clay A7-6	5	1.6B	18		9		
	4				11		
376.2							
Very stiff, moist, brown, Silty	2						
Clay to Clay A7-6	5	2.4S	15				
	6						
373.7				348.7			
Very stiff, moist, brown, Silty	20.0 3			Stiff, moist to very moist, grey,	45.0 1		
Clay Loam A-6	5	2.5B	19	Clay A7-6 with Silt Loam	4	1.1S	21
	6			Layers	7		
371.2							
Very stiff, very moist, grey,	2						
Clay A7-6	4	2.1S	24				
	4						
				343.7			
	25.0 2				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 3

Route: Interstate 57
Section:
County: Franklin
Date: 6/28/2005

Boring No: 4-S
Station: 119+34
Offset: 7' LT CL Median
Ground Surface: 393.2 Ft

DEPTH	BLOW	Qu tsf	W%		DEPTH	BLOW	Qu tsf	W%
Hard, moist, grey to brown, Clay		11	4.2S	21	Loose, wet, grey, very fine,		5		21
A7-6		12			Silty Sand		3		
					73% Sand				
					21% Silt				
					6% Clay				
				315.2					
	55.0 7				Hard, dry, grey, Sandstone 313.2	80.0	100/2"		
	14	5.8S	25						
	17				Bottom of hole = 80 .0 ft.				
					Free water observeed at 29.5 ft.				
					Elevations referenced to Bk.				
					N. Abut Sta 118+74				
333.7					EL. 418.9 NB.57				
Medium, wet, grey, very fine,	60.0 4				To convert "N" values to "N60"	85.0			
Silty Sand with Silty Clay Layers	6		24		values multiply by 1.25.				
77% Sand	12								
14% Silt									
9% Clay									
328.7									
Very stiff, moist to very moist,	65.0 2					90.0			
grey, Clay A7-6	7	2.5B	23						
	10								
323.7									
Very stiff, very moist, grey,	70.0 4					95.0			
Clay A7-6 with Silty	9	2.7B	19						
Clay Loam Layers	12								
318.7									
	75.0 2					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. 28	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(28-5)VB-1	FRANKLIN	81	51
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