STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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District Nine Materials

Bridge Foundation
Boring Log

Interstate 57 Over 7th Street

Sheet 1 of 2

Route: Interstate 57 Structure Number: 028-0004/5 Date: 6/14/2005
Section
Bored By: Bryan Keller
County: Franklin Location: At NCL W. Frankfort Checked By: Rob Graeff

Boring No 1-S
Station 120+11
Offset CL of Median
Ground Surface 395.1 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 358.1
At Completion
At: 24 Hrs: 386.5

Description	DEPTH	BLOW	Qu tsf	W%
Stiff, moist, brown, Silty Clay Loam A-6		3		
		4	1.2B	20
		3		
	390.6			
Stiff, moist, brown, Silty Clay to Silty Clay Loam A-6	5.0	2		
		3	1.6S	22
		3		
	388.1			
Very stiff, moist, brown, Silty Clay A-6		2		
		4	2.5S	21
		5		
	385.6			
Stiff, moist to very moist, brown mottled grey, Silty Clay A-6	10.0	2		
		4	1.3B	23
		3		
		2		
		4	1.4S	21
		3		
	380.6			
Stiff, very moist, brown mottled grey, Silty Clay A-6 with a Sand Layer	15.0	2		
		8	1.4B	19
		5		
	378.1			
Stiff, very moist, brown mottled grey, Silty Clay to Clay A7-6		2		
		2	1.7S	27
		4		
	375.6			
Stiff, very moist, brown mottled grey, Clay to Silty Clay A7-6	20.0	1		
		3	1.1S	19
		2		
	373.1			
Very stiff, moist, brown, Silty Clay A-6		1		
		4	3.5S	15
		6		
	370.6			
	25.0	2		

Description	DEPTH	BLOW	Qu tsf	W%
Stiff, very moist, brown, Clay A7-6		4	1.8S	32
		4		
		2		
		3	1.7S	29
		4		
	365.6			
Stiff, very moist, grey, Silty Clay Loam A-6	30.0	2		
		4	1.9S	29
		4		
	363.1			
Very stiff, moist, grey, Silt Loam A-4		2		
		6	2.7S	20
		8		
	360.6			
Stiff, very moist, brown, Silt Loam A-4	35.0	1		
		1	1.5P	27
		1		
	358.1			
Very loose, wet, brown, very fine Silty Sand 57% Sand 39% Silt 4% Clay		WR		
		WR		25
		3		
	355.6			
Medium, wet, brown, very fine Silty Sand 57% Sand 39% Silt 4% Clay	40.0	4		
		7		
		13		
	350.6			
Medium, wet, grey, very fine Silty Sand with some Gravel 37% Sand 46% Silt 6% Clay 11% Gravel	45.0	8		
		9		18
		8		
	345.6			
	50.0	8		

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 Date: 6/14/2005
Section:
County: Franklin

Boring No: 1-S
Station: 120+11
Offset: CL of Median
Ground Surface: 395.1 Ft

Description	DEPTH	BLOW	Qu tsf	W%
Hard, damp, grey, Clay A7-6		17	4.2S	20
		21		
	340.6			
Hard, moist, grey to brown, Clay A7-6	55.0	6		
		17	6.6S	21
		25		
	335.6			
Very stiff, very moist, grey, Clay A7-6 with Sand Layers	60.0	1		
		4	2.5B	23
		10		
	65.0	4		
		7	3.7B	23
		10		
	325.6			
Very stiff, moist, grey, Silty Clay A7-6	70.0	3		
		8	3.1B	17
		12		
	320.6			
	75.0	3		

Description	DEPTH	BLOW	Qu tsf	W%
Very stiff, very moist, grey, Clay Loam A-6		10	2.1S	21
		8		
	315.6			
Hard, dry, grey, Sandy Clay Shale with Sand Layers	315.1	80.0	100/6"	
Bottom of hole = 80.0 ft.				
Free water observed at 37.0 ft.				
Elevation referenced to Bk No. Abut. Sta 118+74 El . 418.92 NB. I-57				
	85.0			
To convert "N" values to "N60" values multiply by 1.25.				
! Note Augers Sand Locked at 80.0 ft End of Boring.				
	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)

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

SHEET NO. 24	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(28-5)VB-1	FRANKLIN	81	47
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