Illinois Department of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

Page 1 of 1

Date 11/29/06

ROUTE FAI Rt. 57 DESCRIPTION Mast Arm at Olympian Drive - Exit 238 LOGGED BY CNA

SECTION LOCATION SW, SEC. 26, TWP. 20N, RNG. 8E, 3rd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5S 010 1057 L 238.44
Station 665+00

BORING NO. 1 MAST ARM
Station 694.90
Offset 46.0 ft Lt.
Ground Surface Elev. 759.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion DRY ft
After Hrs. ft

Description	Elev.	Depth (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Sandy Clay Loam (Backfill)			2		
			2		
		-5	2		
Brown/Gray Mottled Clay Loam	753.3		2		
			3	1.8	16
			5	B	
Brown Clay Loam Till	751.3		2		
			4	3.9	14
		-10	8	B	
			3		
			6	4.7	14
			10	B	
Gray Clay Loam Till	746.3		3		
			7	5.4	11
		-15	10	B	
			3		
			7	4.9	11
			8	B	
			3		
			5	3.5	12
		-20	8	B	
Gray Clay Loam Till (continued)			1		
			4	2.3	12
		-25	7	S	
	734.3				
End of Boring		-30			
		-35			
		-40			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

1/18/2007 3:08:11 PM S:\SOILS\BORING LOGS\CHAMPAIGN CNTY\01-5759 MAST ARM 010-1057 L 238.44.GPJ

Illinois Department of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

Page 1 of 1

Date 11/28/06

ROUTE US Rt. 45 DESCRIPTION Mast Arm over Rt.45 just South of FAI 74 LOGGED BY CNA

SECTION LOCATION SW, SEC. 4, TWP. 19N, RNG. 9E, 3rd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5S 010 U045 R012.76
Station 30+00

BORING NO. 1 MAST ARM
Station 30+04
Offset 66.0 ft Rt.
Ground Surface Elev. 725.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter DRY ft
Upon Completion ft
After Hrs. ft

Description	Elev.	Depth (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown/Gray Mottled Silty Clay			1		
			2		
		-5	2		
Brown Sandy Clay Loam	719.3		1		
			2	1.2	15
			3	B	
Brown Silty Clay Loam	717.3		1		
			3	2.1	16
		-10	4	S	
Gray Clay Loam Till	714.3		0		
			2	1.2	19
			4	B	
(No Sample - Rock Stuck In Sampler)			2		
			2		
		-15	4		
			2		
			4	2.5	11
			5	B	
			2		
			4	3.0	11
		-20	5	B	
Gray Clay Loam Till (continued)			1		
			3	2.3	12
		-25	5	B	
	700.3				
End of Boring		-30			
		-35			
		-40			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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DESIGNED -	
CHECKED -	
DRAWN -	
CHECKED -	

_____ - _____ 20

EXAMINED _____
ENGINEER OF BRIDGE DESIGN

PASSED _____
ENGINEER OF BRIDGES AND STRUCTURES