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

SOIL BORING LOG

Page 1 of 1

Date 4/28/09

ROUTE FAI Rt. 72 DESCRIPTION Mast Arm on I-72WB at Offramp to I-57SB LOGGED BY CNA

SECTION _____ LOCATION NW, SEC. 9, TWP. 19N, RNG. 8E, 3rd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 C 010 I072 L181.74
Station 1958+00

BORING NO. 1 Mast Arm
Station 1958+68
Offset 32.0 ft Lt. of WB CL
Ground Surface Elev. 759.6 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion Dry ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown/Gray Mottled Silty Clay Loam (Embankment)			
			13
(Sample Not Obtainable)			
-5			
(Drilling through Broken Concrete From 4.5' - 6.6')	3		
752.6	4 7		13
Brown to Gray Brown Mixed Sandy Clay Loam (Embankment)	2		
-10	5 7	2.5 B	15
	2		
	4 6	3.1 B	13
	2		
-15	5 7	3.1 B	13
	1		
	4 5	3.7 B	14
	3		
739.6 -20	5 7	3.7 B	15

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Silty Clay (Top Soil)			
758.6			
Brown Wet Sandy Clay Loam	1		
	3 7		17
-25 734.6			
End of Boring			
-30			
-35			
-40			
-45			

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)

BDS, from 137 (Rev. 8-99)

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

SOIL BORING LOG

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Date 4/28/09

ROUTE FAI Rt. 72 DESCRIPTION Mast Arm on I-72EB at Offramp to I-57SB LOGGED BY CNA

SECTION _____ LOCATION SW, SEC. 9, TWP. 19N, RNG. 8E, 3rd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 S 010 I072 R181.52
Station 1947+77

BORING NO2 Mast Arm - Simple Span
Station 1947
Offset 44.0 ft Rt. of EB CL
Ground Surface Elev. 745.1 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter 734.8 ft
Upon Completion Plugged ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Pavement - Asphalt Shoulder			
744.1			
Gray Silty Clay Loam (Embankment)	3		
-5	4 5	4.5 B	10
738.6	3		
Brown/Gray Mottled Silty Clay Loam	2 5	2.1 B	22
	2		
-10 734.8	2 3	2.0 B	25
Brown/Gray Silt to Silty Clay Loam Till with Free Water	0		
	0 2		
	2		
730.1 -15	6 6	2.6 B	13
Gray Clay Loam Till	5		
728.6			
Gray Sandy Clay Loam Till with Trace of Sand	6 8	4.0 B	10
	5		
725.1 -20	6 7	2.9 B	12
End of Boring			

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)

BDS, 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

District 5
Overhead Sign
Structure Replacement