Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/1/64

ROUTE FAI 74 DESCRIPTION CH 50 (Lake of the Woods Road) over I-74 East of Mahomet LOGGED BY Elliot

SECTION 10-4BR LOCATION NW, SEC, 14, TWP, 20N, RNG, 7E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 010-0157 Exist.
Station

BORING NO. 1 South Abut/Pier
Station 20+34
Offset 1.0 ft Rt.
Ground Surface Elev. 730.6 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 (%)	Soil Description
				Stiff Brown Mottled CLAY
727.6				
				Stiff Brown CLAY LOAM TILL
726.1				
–5	12	2.8 B	13	Very Stiff to Hard Brown-Gray CLAY LOAM TILL
	16	3.1 B	13	
–10	13	3.3 S		
	19	6.5 S		
716.1				
–15	23	3.7 B		Very Stiff Gray CLAY LOAM TILL
	12	3.1 B		
				(Small sand pockets or lenses with water)
–20	12	3.1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
		B		Very Stiff Gray CLAY LOAM TILL (continued)
	12	3.1 B		
707.1				
				Hard Brown CLAY LOAM TILL
705.9				
–25	45			Dense Gray & Brown SAND & Medium Gravel
	32			
–30	45			(Some cobbles @ 32')
	71			
				(Wet @ 32.25' – HIT BOULDERS)
696.6				
				End of Boring
–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 E–Estimate)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 6/2/11

ROUTE FAI 74 DESCRIPTION CH 50 (Lake of the Woods Road) over I-74 East of Mahomet LOGGED BY CNA

SECTION 10-4BR LOCATION NW, SEC, 14, TWP, 20N, RNG, 7E, 3rd PM GPS:

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0157 Exist.
Station

BORING NO. 2 Center Pier
Station 21+26
Offset 27.0 ft Lt.
Ground Surface Elev. 732.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 725.0 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Brown Mottled Firm Clay Loam
729.0				
	2			Brown Mottled Silty Clay
	2	0.2	28	
–5	2	B		
726.0				
	2			Brown Sand Loam
	2		22	
723.5				
	2			Brown Clay Loam Till
	4	1.0	15	
–10	4	E		
	3			
	4	1.4	14	
	8	B		
	3			
	9	2.5	14	
–15	10	B		
716.0				
	3			Gray Clay Loam Till
	6	2.5	10	
	9	B		
	3			
	4	2.9	11	
–20	7	B		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Gray Clay Loam Till (continued)
	2			
	4	2.1	11	
	6	B		
	2			
	4	2.1	12	
–25	6	B		
	2			
705.0				
				Gray to Brown Poorly Sorted Coarse Sand with Small Gravel (Dry & Dense)
	12			
	12			
–30	12			
	18			
	12			
–35	12			
				(Drilled Rough – Cobbles/Large Gravel)
695.0				
				Brown Mottled Silt
	5			
	8		34	
–40	12			

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Groundwater Elev.:
First Encounter 725.0 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Brown Mottled Silt (continued)
689.0				
	8			Gray Clay Loam Till
	12	7.4	10	
–45	18	B		
	9			
	11	6.6	10	
–50	15	B		
	8			
	10			
–55	12			(No Sample Obtained in Sampler)
676.0				
				Gray to Dark Gray Clay Loam Till
	4			
	5	1.6	11	
–60	6	B		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Gray to Dark Gray Clay Loam Till (continued)
669.0				
	7			Dark Brown Silty Clay with trace of Fine Silty Peat (Paleo Soil)
	13	3.7	30	
–65	13	B		
664.0				
	7			Grreen/Gray Mottled Clay Till
	9	2.3	20	
662.0 –70	9	B		
				End of Boring
–75				
–80				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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BBS, form 137 (Rev. 8-99)

DESIGNED - DEWEY H. COULTAS	EXAMINED		DATE - FEBRUARY 25, 2013	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 010 – 0289**
CHECKED - NICHOLAS R. BARNETT		ACTING ENGINEER OF BRIDGE DESIGN			SHEET NO. 59 OF 62 SHEETS
DRAWN - MICHAEL B. MOSSMAN	PASSED		REVISED		
CHECKED - D.H.C. / N.R.B.		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	10-4BR	CHAMPAIGN	290	144
		CONTRACT NO. 70700		
	ILLINOIS	FED. AID PROJECT		