



Illinois Department  
of Transportation  
Division of Highways  
IDOT

### SOIL BORING LOG

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Date 3/23/11

ROUTE FAI 74 DESCRIPTION I-74WB - Sign Truss at Exit 134B (55 Buss NB) LOGGED BY CNA  
SECTION Sign Structure LOCATION NW, SEC. 20, TWP. 23N, RNG. 2E, 3rd PM GPS:  
COUNTY McLean DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 S 057 1074 L134.10 D E L C M  
Station 648+00 P O S O I  
BORING NO. 1 Sign Truss T W S Qu T  
Station 648+07 H S Qu T  
Offset 116.1 ft Lt.  
Ground Surface Elev. 97.7 ft (ft) (/6") (tsf) (%)

Soil Description	Depth (ft)	UCS Failure Mode	SPT (N)	Soil Description	Depth (ft)	UCS Failure Mode	SPT (N)
Brown Silty Clay Loam to Clay Loam (Embankment)	0 - 5	B	13	Gray Clay Loam Till (continued)	0 - 12	S	11
	5 - 9	B	13		12 - 19	S	11
	9.7				19 - 25		
Gray Mottled Silty Clay	0 - 3				25 - 28		
	3 - 4	B	24		28 - 30		
	4 - 5	B			30 - 35		
	5				35 - 38		
Brown Mottled Silty Clay	0 - 3				38 - 40		
	3 - 2	B	27				
	2 - 2	B					
Brown Clay Loam with Coarse Dirty Sand Seams	0 - 2						
	2 - 4						
	4 - 3						
	3 - 3						
Gray to Brown Silt	0 - 3						
	3 - 3		20				
	3 - 4						
Gray Silt Loam Till	0 - 3						
	3 - 4		19				
	4 - 5						
	5 - 4						
	4 - 4						
Gray Clay Loam Till	0 - 4		11				
	4 - 5	B					
	5 - 2						

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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### SOIL BORING LOG

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Date 3/24/11

ROUTE FAI 55 DESCRIPTION I-55 NB - Approx. 0.5 Miles West of I-74 LOGGED BY CNA  
SECTION Sign Structure LOCATION NE, SEC. 19, TWP. 23N, RNG. 2E, 3rd PM GPS:  
COUNTY McLean DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 5 S 057 1055 R156.2 D E L C M  
Station 646+00 P O S O I  
BORING NO. 1 Sign Truss T W S Qu T  
Station 646+08 H S Qu T  
Offset 120.0 ft Rt.  
Ground Surface Elev. 788.4 ft (ft) (/6") (tsf) (%)

Soil Description	Depth (ft)	UCS Failure Mode	SPT (N)	Soil Description	Depth (ft)	UCS Failure Mode	SPT (N)
Brown Sand Loam with Small Gravel (Embankment)	0 - 4			Brown Mottled Silty Clay (continued)	0 - 1		
	4 - 4				1 - 4		
	4				4 - 6		
Brown to Gray Mixed Silty Clay Loam to Clay Loam (Embankment)	0 - 4				6 - 3		
	4 - 4	B	15		3 - 4	B	13
	4 - 5	B			4 - 3	B	
	5				3 - 3		
	5				3 - 3		
	7		13		3 - 5		
	7	E			5 - 3		
	10				3 - 3		
	10				3 - 3		
	5				3 - 3		
	7		13		3 - 3		
	7	E			3 - 3		
	10				3 - 3		
	10				3 - 3		
	4				3 - 3		
	6		12		3 - 3		
	8	S			3 - 3		
	15				3 - 3		
	15				3 - 3		
	4				3 - 3		
	6		12		3 - 3		
	8	S			3 - 3		
	15				3 - 3		
	15				3 - 3		
	4				3 - 3		
	6		12		3 - 3		
	8	S			3 - 3		
	15				3 - 3		
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	6		12		3 - 3		
	8	S			3 - 3		
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