

Illinois Department of Transportation
Division of Highways
Roads Department of Transportation

SOIL BORING LOG

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Date 11/10/11

ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB at IL 159 LOGGED BY JAS (TSB)

SECTION Dist 8 ITS 2012-1 LOCATION NW 14, SEC. 35, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE _____

STRUCT. NO. _____ Station _____

BORING NO. #4 027012.0A
Station 716+20
Offset 95.00ft RT
Ground Surface Elev. 524.0 ft

Description	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.		Stream Bed Elev.	
					(ft)	(6")	(tsf)	(%)
Grayish Brown (Medium Stiff, Moist) Silty Clay LOAM (Loess) A-6(9) See Class @ 1.5 ft	2	4	0.45	30				
	4	S						
	1							
	3	1.00	36					
	5	S						
More Clay	1							
	4	1.08	21					
	4	B						
	2							
Brown and Gray (Stiff, Moist) CLAY with Trace Sand and Gravel (Till)	4	2.08	22					
	5	S						
	2							
	4	1.62	20					
	4	S						
	3							
Brown and Gray (Stiff, Moist) Clay LOAM with Sand and Limestone Pieces (Till) A-4(3) See Class @ 14 ft	6	1.54	13					
	6	S						
Trace Coal	2							
	4	1.16	12					
	8	S						
END OF BORING								

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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ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB East of Oaklawn Road LOGGED BY JAS (TSB)

SECTION Dist 8 ITS 2012-1 LOCATION NE 14, SEC. 35, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE _____

STRUCT. NO. _____ Station _____

BORING NO. #5 087012.6A
Station 758+00
Offset 90.00ft RT
Ground Surface Elev. 577.9 ft

Description	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.		Stream Bed Elev.	
					(ft)	(6")	(tsf)	(%)
Gray (Medium Stiff, Moist) SILT (Loess)	1	1.20	25					
	3	S						
	3							
	4	1.43	27					
Gray (Stiff, Moist) Silt LOAM (Loess) A-6(10) See Class @ 5 ft	6	S						
	3							
Medium Stiff	4	1.50	26					
	4	S						
	3							
Brownish Gray	3	0.77	26					
	3	S						
	4	2.62	25					
	5	S						
More Clay, Stiff	3							
	4	2.82	25					
	5	S						
	1							
Brownish Gray (Medium Stiff, Moist) Silt LOAM with Limestone Pieces (Alluvial) A-6(12) See Class @ 15 ft	3	1.27	24					
	3	S						
	2							
Gray (Medium Stiff, Moist) CLAY (Alluvial)	3	0.54	29					
	3	B						
END OF BORING								

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)
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ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB at Old Troy Road LOGGED BY JASAD (TSB)

SECTION Dist 8 ITS 2012-1 LOCATION NE 14, SEC. 36, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. _____ Station _____

BORING NO. #6 027013.3A
Station 794+00
Offset 80.00ft RT
Ground Surface Elev. 601.8 ft

Description	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.		Stream Bed Elev.	
					(ft)	(6")	(tsf)	(%)
Brown (Medium Stiff, Moist) Silt LOAM with Trace Limestone Pieces (Fill) A-4(5) See Class @ 1 ft	0.25	18						
	1.00	13						
	0.50	19						
	-	17						
	-	17						
	1.00	17						
	0.75	22						
Wet	0.50	25						
	-	25						
No Recovery	-	26						
	591.8	-10						
END OF HAND AUGER								
Pocket Penetrometer used for Qu								
NOTE: Groundwater caused suction action below 7.0 feet.								

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)