

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

Page 1 of 1
Date 11/4/11

ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB at IL 157 LOGGED BY JAS/AD (TS)

SECTION Dist 8 ITS 2012-1 LOCATION NE 14, SEC. 32, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. _____	D	B	U	M	Surface Water Elev. _____ ft
Station _____	E	L	C	O	Stream Bed Elev. _____ ft
BORING NO. <u>#1 027009.0A</u>	P	W	S	Qu	Groundwater Elev.: _____ ft
Station <u>571+60</u>	H	S	Qu	T	First Encounter _____ NA ft
Offset <u>96,00ft RT</u>					Upon Completion _____ ft
Ground Surface Elev. <u>456.0</u> ft	(ft)	(6")	(tsf)	(%)	After _____ Hrs. _____ ft

Dark Brown (Loose, Moist) SAND (Fill)	NC	19
454,0	NC	17
		20
Dark Brownish Gray (Medium Stiff, Moist) Silty Clay LOAM (Loess) A-6(10) See Class @ 2 ft	1.25	17
Brown		17
		17
		18
		21
	0.50	23
	0.75	23
	0.75	23
Brown and Gray		23
444,0		22
Brown and Gray (Soft, Moist) Silt LOAM (Alluvial) A-4(4) See Class @ 13 ft	0.25	23
	0.25	22
441,0	-15	
END OF HAND AUGER		
Pocket Penetrometer used for Qu		
		-20

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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Page 1 of 1
Date 11/10/11

ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB between IL 157 and North Main Street LOGGED BY JAS (TS)

SECTION Dist 8 ITS 2012-1 LOCATION NE 14, SEC. 33, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE _____

STRUCT. NO. _____	D	B	U	M	Surface Water Elev. _____ ft
Station _____	E	L	C	O	Stream Bed Elev. _____ ft
BORING NO. <u>#2 027009.9A</u>	P	W	S	Qu	Groundwater Elev.: _____ NA ft
Station <u>618+80</u>	H	S	Qu	T	First Encounter _____ NA ft
Offset <u>90,00ft RT</u>					Upon Completion _____ ft
Ground Surface Elev. <u>533.0</u> ft	(ft)	(6")	(tsf)	(%)	After _____ Hrs. _____ ft

Grayish Brown (Medium Stiff, Moist) Silty CLAY (Loess)	2			
	3	0.35	23	
	4	S		
530,0				
Brown and Gray (Stiff, Moist) Silty CLAY with Trace Organic (Loess)	3			
	6	4.50	19	
	9	P		
527,5				
Brown and Gray (Medium Stiff, Moist) Silt LOAM (Alluvial) A-4(4) See Class @ 7 ft	2			
	3	1.00	24	
	3	P		
Trace Shells, Stiff	2			
	4	0.31	25	
	5	S		
522,0				
Gray and Brown (Medium Stiff, Moist) SILT (Alluvial)	2			
	3	0.23	27	
	4	B		
	4			
	3	1.00	26	
	3	P		
517,5				
Gray (Medium Stiff, Moist) Silty CLAY (Alluvial)	1			
	2	0.42	29	
	3	B		
515,5				
END OF BORING				
				-20

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Page 1 of 1
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ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB at North Main Street/ Glen Carbon Road LOGGED BY JAS (TS)

SECTION Dist 8 ITS 2012-1 LOCATION NW 14, SEC. 34, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE _____

STRUCT. NO. _____	D	B	U	M	Surface Water Elev. _____ ft
Station _____	E	L	C	O	Stream Bed Elev. _____ ft
BORING NO. <u>#3 027010.8A</u>	P	W	S	Qu	Groundwater Elev.: _____ NA ft
Station <u>667+50</u>	H	S	Qu	T	First Encounter _____ 524,0 ft
Offset <u>90,00ft RT</u>					Upon Completion _____ ft
Ground Surface Elev. <u>530.0</u> ft	(ft)	(6")	(tsf)	(%)	After _____ Hrs. _____ ft

Brownish Gray (Medium Stiff, Moist) Silty CLAY (Loess)	2			
	3	0.58	24	
	4	S		
Soft	1			
	1	0.25	29	
	2	P		
524,0				
Grayish Brown	1			
	1	0.25	28	
	2	P		
	1			
	1	0.04	26	
	4	S		
Soft	1			
	1	0.50	25	
	3	P		
517,0				
Gray (Medium Stiff, Moist) Silty Clay LOAM (Alluvial) A-4(7) See Class @ 15 ft	1			
	2	0.23	25	
	3	S		
	1			
	1	0.35	22	
	3	S		
512,5				
Trace Limestone Pieces, Soft				
				-20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)