Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 11/11/11

ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-270 EB at I-55 NB LOGGED BY JAS/AD (TSI)

SECTION Dist 8 ITS 2012-1 LOCATION SW 14, SEC. 32, TWP. 4N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO.
Station

BORING NO. #7 027015.0A
Station 857+50
Offset 55.00ft RT
Ground Surface Elev. 580.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 576.5 ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown (Medium Stiff, Moist) Silty CLAY (Fill)				0.50	34
				1.00	31
Brown and Gray				1.25	28
				1.50	31
	576.5	-5		0.50	31
Brown and Gray (Medium Stiff, Moist) Clay LOAM (Fill) A-6(9) See Class @ 5 ft				0.25	40
				1.50	38
Wet	572.0			0.25	41
END OF HAND AUGER					
Pocket Penetrometer used for Qu		-10			
NOTE: Hole collapsing on augers while drilling, causing suction action.		-15			
		-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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SOIL BORING LOG

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Date 11/9/11

ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-70 WB at Riggin Road LOGGED BY JAS (TSI)

SECTION Dist 8 ITS 2012-1 LOCATION NW 14, SEC. 33, TWP. 4N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO.
Station

BORING NO. #8 007020.0A
Station 961+00
Offset 50.00ft LT
Ground Surface Elev. 515.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray (Soft, Moist) Silty CLAY (Alluvial)			1		
			2	2.86	23
			2	S	
			1		
			2	0.69	23
		-5	3	S	
	510.0				
Brown and Gray (Medium Stiff, Moist) Sandy Clay LOAM A-6(3) See Class @ 10 ft			2		
			3	1.70	22
			3	S	
Trace Limestone Pieces & Gravel			2		
			3	1.74	22
		-10	4	S	
			2		
			4	2.89	20
			4	S	
			2		
			4	2.47	17
		-15	4	S	
			4		
			7	3.70	15
	498.0		8	S	
END OF BORING					
		-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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SOIL BORING LOG

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Date 11/9/11

ROUTE FAI 270 /FAI 70 DESCRIPTION ITS Device on I-70 EB between Wendall Branch & Staunton Road LOGGED BY JAS (TSI)

SECTION Dist 8 ITS 2012-1 LOCATION NE 14, SEC. 33, TWP. 4N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO.
Station

BORING NO. #9 007020.8A
Station 1002+60
Offset 90.00ft RT
Ground Surface Elev. 528.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray (Medium Stiff, Moist) Silty CLAY (Loess)			1		
			2	0.54	28
			3	S	
	525.0				
Brown and Gray (Medium Stiff, Moist) CLAY (Till)			2		
			3	1.47	29
		-5	4	S	
	522.5				
Brown (Medium Stiff, Moist) Silty CLAY with Trace Gravel (Till)			2		
			4	2.74	23
			4	S	
	520.0				
Brown (Medium Stiff, Moist) CLAY with Trace Limestone Pieces A-6(18) See Class @ 10 ft			2		
			3	1.16	26
		-10	4	S	
Brown and Gray, Stiff			3		
			7	4.79	24
			9	S	
More Silt			3		
			6	4.82	25
		-15	9	S	
			3		
			4	2.74	26
	510.5		6	S	
END OF BORING					
		-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)

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
c:\pw_work\pwidot\prestonme\d0279896\d876f22-sht-ITS.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/2/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270/70	DIST 8 ITS 2012-1	MADISON	23	22
		CONTRACT NO. 76F22		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT