



Illinois Department
of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

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Date 7/7/10

ROUTE FAP 685 (IL 9) DESCRIPTION IL9 from IL41(N) to approximately 2 miles west of Spoon River LOGGED BY NSP

SECTION (37,38)RS-3, 39RS-5 LOCATION Lee Road District, IL 9, SEC. 22, TWP. 7N, RNG. 1E, 4th PM, Latitude 40° 34' 8.44" N, Longitude 90° 22' 12.4" W

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. N/A
Station 302+17.76
BORING NO. B-1
Station 302+02
Offset 13.0 ft RT
Ground Surface Elev. 615.20 ft

DEPTH (ft)	BLOWS (6")	UCS (tsf)	M (%)	DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	M (%)
				Surface Water Elev. 607.00 ft				
				Stream Bed Elev. 606.90 ft				
				Groundwater Elev.:				
				First Encounter 591.7 ft				
				Upon Completion 595.2 ft				
				After 0.5 Hrs. 612.2 ft				
0	-	-	12	Dark Gray to Gray SILTY CLAY (fIII), trace gravel	0	-	-	12
1	0.6	29		Very Stiff Gray, Moist SILTY CLAY LOAM (continued) 593.70	1	0.6	29	
1	B			Dense to Medium Dense Brown, Fine Grain, Moist to Wet SANDY LOAM	1	B		
2				Encountered 3" Rock Cobble at 22 feet	2			
611.70					611.70			
1				Stiff Gray, Moist SILTY CLAY, trace gravel	1			
2	1.0	31			2	1.0	31	
2	B				2	B		
5					5			
589.20					589.20			
1				Very Hard Gray, Wet CLAY LOAM, trace gravel	1			
1	1.0	28			1	1.0	28	
1	P				1	P		
605.70					605.70			
1	1.0	28		Stiff Gray and Brown (Mottled), Moist CLAY	1	1.0	28	
1	P			Encountered Rock Cobble at 9.8 feet	1	P		
2					2			
5	2.2	18			5	2.2	18	
5	B				5	B		
601.70					601.70			
3				Very Stiff Gray, Moist SILTY CLAY LOAM	3			
5	2.9	16			5	2.9	16	
10	B				10	B		
3					3			
4	2.2	12			4	2.2	12	
7	B				7	B		
2					2			
4	2.0	15			4	2.0	15	
6	B				6	B		
575.20				End of Boring	575.20			

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, form 137 (Rev. 8-99)



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SOIL BORING LOG

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Date 7/12/10

ROUTE FAP 685 (IL 9) DESCRIPTION IL9 from IL41(N) to approximately 2 miles west of Spoon River LOGGED BY NSP

SECTION (37,38)RS-3, 39RS-5 LOCATION Lee Road District, IL 9, SEC. 27, TWP. 7N, RNG. 1E, 4th PM, Latitude 40° 34' 7.75" N, Longitude 90° 22' 12.9" W

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. N/A
Station 302+17.76
BORING NO. B-2
Station 302+39
Offset 47.0 ft LT
Ground Surface Elev. 612.24 ft

DEPTH (ft)	BLOWS (6")	UCS (tsf)	M (%)	DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	M (%)
				Surface Water Elev. 605.70 ft				
				Stream Bed Elev. 604.90 ft				
				Groundwater Elev.:				
				First Encounter None ft				
				Upon Completion - ft				
				After - Hrs. - ft				
0	-	-	30	Dark Gray to Black CLAY (fIII), trace organics, roots	0	-	-	30
2	3.0	25		Hard to Very Hard Gray, Dry CLAY LOAM, trace gravel	2	3.0	25	
4	P				4	P		
4					4			
608.74					608.74			
2				Stiff to Very Stiff Gray and Brown (Mottled), Moist SILTY CLAY, trace gravel	2			
3	1.6	26			3	1.6	26	
3	B				3	B		
5					5			
1					1			
2	1.0	24			2	1.0	24	
2	B				2	B		
3					3			
4	3.2	17			4	3.2	17	
8	B				8	B		
582.24				End of Boring	582.24			
2				Stiff Gray, Moist SILTY LOAM	2			
4	1.0	24			4	1.0	24	
4	B				4	B		
3					3			
4	1.0	24			4	1.0	24	
7	S				7	S		
595.74					595.74			
4				Hard Gray, Dry SILTY CLAY LOAM, trace gravel	4			
6	7.0	13			6	7.0	13	
7	P				7	P		
593.74					593.74			
4				Very Hard Gray, Dry SILTY LOAM	4			
8	10.0	15			8	10.0	15	
9	P				9	P		
20					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, form 137 (Rev. 8-99)

SOIL BORING LOGS

FILE NAME = sht-landscp.dgn	USER NAME = mendezpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.P. RTE. 685	SECTION **	COUNTY *	TOTAL SHEETS 329	SHEET NO. 154		
	PLOT SCALE = 1/8" = 100.0000' / 1" IN.	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/25/2011	DATE -	REVISED -			CONTRACT NO. 68599						
BBS, form 137 (Rev. 8-99)												