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

SOIL BORING LOG

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. 19, TWP. 7N, RNG. 1E, 4th PM, Latitude 40° 35' 2.76" N, Longitude 90° 26' 9.49" W

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. N/A
Station 534+29.26

BORING NO. B-12
Station 534+10
Offset 14.0 ft LT
Ground Surface Elev. 621.40 ft

Surface Water Elev. 608.30 ft
Stream Bed Elev. 607.60 ft

Groundwater Elev.:
First Encounter 595.4 ft ▼
Upon Completion 593.4 ft ▽
After - Hrs. - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM (fill), trace gravel	620.40	-	-	15
		-	-	
Medium Stiff to Very Stiff Brown, Moist CLAY		1	0.8	25
		1	B	
		1		
		1		
		1	1.2	32
	-5	2	B	
		1		
		1	1.1	27
		2	B	
		1		
		1	2.0	27
	-10	2	P	
		2		
Stiff Black to Dark Gray, Moist CLAY	609.50	3	1.2	29
		4	B	
		1		
		2	1.2	25
	-15	2	B	
		2		
		3	1.0	23
		5	P	
Very Stiff Brown and Gray, Moist SILTY CLAY LOAM, trace gravel	602.90	4		
	-20	5	3.0	14
		6	B	
		2		
Very Stiff Gray, Moist SILTY CLAY LOAM	600.40	2		
		4	2.0	16
		5	B	
		5		
Hard Gray, Moist SILTY LOAM	597.10	10	4.0	33
	-25	8	P	
	595.40 ▼	9		
Very Dense to Medium Dense Gray and Brown, Fine to Coarse Grain, Wet SAND		36	-	16
	▽	37	-	
		5		
		10	-	21
	591.40 -30	17	-	
End of Boring				
	-35			
	-40			

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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SECTION (37,38)RS-3, 39RS-5 LOCATION Lee Road District, IL 9, SEC. 19, TWP. 7N, RNG. 1E, 4th PM, Latitude 40° 35' 2.29" N, Longitude 90° 26' 9.56" W

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. N/A
Station 534+29.26

BORING NO. B-13
Station 534+50
Offset 14.0 ft RT
Ground Surface Elev. 621.60 ft

Surface Water Elev. 602.30 ft
Stream Bed Elev. 602.00 ft

Groundwater Elev.:
First Encounter 595.6 ft ▼
Upon Completion 592.6 ft ▽
After - Hrs. - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM (fill), trace gravel		-	-	16
		-	-	
		1	-	18
		1	-	
		2		
	618.10			
Stiff Brown, Moist CLAY		1		
		2	1.4	27
	-5	2	B	
		1		
		1	1.6	26
		4	B	
		2		
		2	2.0	19
	-10	3	B	
		1		
		2	1.2	20
		2	B	
		1		
		2	1.0	20
	-15	2	B	
		1		
Medium Stiff Black to Dark Gray, Moist CLAY, trace gravel	605.10	2	0.8	21
		3	B	
	603.10			
Hard Brown and Gray, Moist SILTY CLAY, trace gravel		2		
	-20	5	4.1	14
		6	S	
Hard Gray and Brown, Fine to Coarse Grain, Wet SAND	600.60	3		
		6	6.8	14
		13	B	
	599.30			
Stiff Gray, Moist SILTY LOAM		10		
		19	1.3	23
	-25	30	S	
Encountered Rock Cobble at 24.8 feet				
	595.60 ▼	5		
Hard Gray, Wet SILTY CLAY LOAM, trace gravel		9	5.1	13
		16	S	
	592.60 ▽	5		
Medium Dense Gray and Brown, Fine to Medium Grain, Wet SAND		12	-	17
	-30	14	-	
		8		
	587.30	11	6.0	15
Hard Gray, Wet SILTY LOAM	-35	14	S	
		4		
		8	4.9	17
	581.60 -40	10	S	

End of Boring

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

SOIL BORING LOGS

FILE NAME = sht-landscp.dgn	USER NAME = mendezpj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/25/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	**	*	329	156

CONTRACT NO. 68599

ILLINOIS FED. AID PROJECT