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

SOIL BORING LOG

Page 1 of 1

Date 4/28/10

ROUTE FAP 685/22 (IL 9/78) DESCRIPTION SPT Borings for Proposed Traffic Mast Arms (Canton, Illinois) LOGGED BY MAG

SECTION (41Z, 135)R, N; (1CS)I LOCATION NWC Main St & Locust St.(IL9/78), SEC.27,TWP.7N,RNG.4E,4th PM, Latitude N40° 33′ 30.64″, Longitude W90° 2′ 5.28″

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. -
Station -

BORING NO. B1
Station 13+82
Offset 60.0ft LT
Ground Surface Elev. 646.37 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 620.4 ft ▼
Upon Completion NA ft
After - Hrs. NA ft

Description	Elev.	DEPTH (ft)	BLOWS (/6″)	UCS Qu (tsf)	MOIST (%)
Concrete	646.12				
Black, Dry LOAM	644.87		2		
Very Loose Brown, Moist Medium to coarse grained SAND			2		9
			1		
			2		
Lens of Black, SANDY CLAY LOAM at 4′			2		7
		-5	1		
			2		
Lens of Black, SANDY CLAY LOAM at 6.5′	638.87		1		6
			1		
Medium Stiff Brown and Gray, Moist SILTY CLAY LOAM			1		
			2	0.6	27
		-10	4	B	
	635.37				
Dark Brown, Moist SILTY CLAY LOAM			2		
			3	2.0	26
			3	B	
			2		
			2	0.4	51
Petroleum smell at 14.5′		-15	3	B	
	630.37				
Medium Stiff Gray, Moist CLAY			1		
			2	0.8	28
			4	B	
			2		
			3	1.0	24
		-20	4	B	
Medium Stiff Gray, Moist CLAY (continued)			1		
	624.37		3	0.6	26
Medium Stiff Gray, Moist SILTY CLAY LOAM			4	B	
	622.87				
Medium Stiff to Stiff Gray, Moist SILTY LOAM			2		
			3	0.8	26
		-25	4	B	
		▼			
			1		
			2	1.2	26
			4	B	
	617.37		3		
Medium Dense Gray, Wet Medium grained SAND			2		20
		-30	9		
			8		
	611.87		7		
Gray, Wet SILT	611.37	-35	10		
End of Boring					
		-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)

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

SOIL BORING LOG

Page 1 of 1

Date 4/28/10

ROUTE FAP 685/22 (IL 9/78) DESCRIPTION SPT Borings for Proposed Traffic Mast Arms (Canton, Illinois) LOGGED BY MAG

SECTION (41Z, 135)R, N; (1CS)I LOCATION NWC Main St & Locust St.(IL9/78), SEC.27,TWP.7N,RNG.4E,4th PM, Latitude N40° 33′ 30.49″, Longitude W90° 2′ 1.36″

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. -
Station -

BORING NO. B2
Station 13+87
Offset 54.0ft RT
Ground Surface Elev. 647.77 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter None ft
Upon Completion None ft
After - Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6″)	UCS Qu (tsf)	MOIST (%)
Grass, topsoil and sand mixture					
			2		
			3		23
			3		
	644.27				
Soft Brown and Gray, Moist CLAY			1		
			2		34
		-5	3		
			1		
			2	0.4	30
			2	B	
	639.27				
Soft Brown and Gray, Moist SILTY CLAY			1		
			2	0.4	32
		-10	2	B	
			2		
			2	0.4	25
			3	B	
	633.77		2		
Stiff to Medium Stiff Black, Brown and Gray, Moist CLAY			2	1.8	30
		-15	4	B	
	631.27		2		
Medium Stiff to Soft Dark Gray, Moist CLAY			3	0.6	22
			4	B	
			1		
			2	0.4	21
		-20	3	B	
Medium Stiff to Soft Dark Gray, Moist CLAY (continued)	626.27		2		
Loose Brown and Gray, Moist SANDY LOAM			3		17
			4		
			2		
	623.27		2		22
Loose Gray, Moist SANDY LOAM		-25	4		
			4		
	620.77		9	3.0	12
Very Stiff Gray, Moist SILTY LOAM, trace gravel			8	P	
			4		
			6	4.1	12
	617.77	-30	8	S	
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)

SOIL BORING LOGS

FILE NAME = P:\P-09\2193 - IDOT DUR\Task-04\DWG\SHT\16_D4-9402909-sht-blogs01.dgn	USER NAME = _2193 Task 4_	DESIGNED -	REVISED -
		DRAWN - AMW - IDOT	REVISED -
	PLOT SCALE = NTS	CHECKED -	REVISED -
	PLOT DATE = 12/21/2010	DATE - 12/21/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
LOCUST STREET–RECONSTRUCTION

SCALE: | SHEET NO. 1 OF 4 SHEETS | STA. 13+82 | TO STA. 13+87

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685/22	(41Z, 135)R, N; (1CS)I	FULTON	125	110
		CONTRACT NO. 68877		
		ILLINOIS FED. AID PROJECT	04-94-009-09	