



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

SOIL BORING LOG

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Date 4/27/10

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 First Ave.&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.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	NA ft	E	L	C	O
	P	O	S	I	Stream Bed Elev.	P	O	S	I
	T	W	S	S	Groundwater Elev.:	T	W	S	S
BORING NO.	H	S	Qu	T	First Encounter	H	S	Qu	T
Station	(ft)	(/6")	(tsf)	(%)	627.7 ft	(ft)	(/6")	(tsf)	(%)
Offset					Upon Completion				
Ground Surface Elev.					637.2 ft				
					After - Hrs.				
					NA ft				
Grass and topsoil					627.73				
647.23	4				Medium Stiff				
Stiff	3	2.0	21		Gray, Moist	1	0.6	19	
Brown and Gray, Moist	2	P			CLAY LOAM	3	B		
CLAY									
645.23	3				625.23	1			
Stiff to Soft	2	2.1	31		Medium Stiff to Very Stiff	1			
Black, Moist	1	S			Blue and Gray, Moist	1		20	
CLAY	-5				SILTY LOAM	-25	3		
	2					6			
	2	1.6	25			9	5.7	14	
	3	B				17	B		
640.23	2								
Soft	1	0.4	27			5			
Black, Brown and Gray, Moist	3	B				6	3.5	15	
CLAY	-10					10	B		
					618.73	-30			
					End of Boring				
637.23	2								
Stiff	2	1.4	27						
Brown and Gray, Moist	3	S							
CLAY LOAM									
634.73	2								
Very Stiff	3	2.2	24						
Dark Gray, Moist	4	B							
CLAY	-15								
632.23	1								
Medium Stiff to Stiff	2	0.8	22						
Brown and Gray, Moist	3	B							
CLAY									
	2								
	2	1.4	22						
	3	B							
	-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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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 SWC First Ave.&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.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	NA ft	E	L	C	O
	P	O	S	I	Stream Bed Elev.	P	O	S	I
	T	W	S	S	Groundwater Elev.:	T	W	S	S
BORING NO.	H	S	Qu	T	First Encounter	H	S	Qu	T
Station	(ft)	(/6")	(tsf)	(%)	None ft	(ft)	(/6")	(tsf)	(%)
Offset					Upon Completion				
Ground Surface Elev.					None ft				
					After - Hrs.				
					NA ft				
Asphalt (3") and aggregate base					648.01				
648.01	4				628.01				
Stiff	4				Stiff to Hard	4			
Black, Moist	4	2.0	28		Brown and Gray, Moist to Dry	5	2.2	13	
CLAY, trace organics	4	S			SILTY CLAY LOAM	8	S		
645.01	3					4			
Stiff	2	1.5	28			6	1.7	12	
Brown and Gray, Moist	3	P				9	S		
CLAY	-5					-25			
643.01	3					10			
Soft to Medium Stiff	2	0.4	24			10	6.5	14	
Brown and Gray, Moist	3	B				13	S		
SILTY CLAY									
	1					4			
	2	0.6	29			6	6.9	11	
	2	B				9	S		
	-10				620.01	619.01	-30		
					Hard				
					Gray, Dry				
					SILTY LOAM				
					End of Boring				
638.01	1								
Medium Stiff	2	0.8	25						
Gray, Moist	2	B							
CLAY									
635.51	1								
Medium Stiff to Stiff	2	0.6	23						
Blue, Brown and Gray, Moist	4	B							
CLAY	-15								
	2								
	3	1.4	23						
	4	B							
	1								
	2	0.4	18						
	3	B							
	-20								

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SOIL BORING LOGS

FILE NAME =	USER NAME =	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\P-09\2193 - IDOT DUR\Task-04\DWG\SH	16_D4-9408909-shr-blogs03.dgn	DRAWN =	REVISED =		LOCUST STREET-RECONSTRUCTION		685/22	(41Z, 135)R, N; (1CS)I	FULTON	125	112
	PLOT SCALE = NTS	CHECKED =	REVISED =		SCALE:	SHEET NO. 03 OF 04 SHEETS	STA. 13+82	TO STA. 13+87	CONTRACT NO. 68877		
	PLOT DATE = 12/21/2010	DATE =	REVISED =		ILLINOIS FED. AID PROJECT D4-94-009-09						