



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

SOIL BORING LOG

Page 1 of 1

Date 4/29/10

ROUTE FAP 685/22 (IL9/78) DESCRIPTION SPT Borings for Proposed Traffic Mast Arms (Canton, Illinois) LOGGED BY MAG
SECTION (41Z, 135)R, N; (1CS)I LOCATION SEC 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. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. <u>NA</u> ft Stream Bed Elev. <u>NA</u> ft	D E P T H	B L O W S	U C S	M O D E
BORING NO. <u>B7</u> Station <u>19+36</u> Offset <u>44.0ft RT</u> Ground Surface Elev. <u>649.49</u> ft									
Asphalt (3") and aggregate base					628.49				
Soft Brown and Gray, Moist CLAY, trace brick fragments		2				2			
		2	32			5	2.0	16	
		2				7	S		
		1				4			
		1	0.4	27		5	2.0	14	
		2	B			5	P		
		-5				-25			
		1				5			
Medium Stiff to Stiff Brown and Gray, Moist SILTY CLAY LOAM		3	0.8	28		9	3.2	11	
		4	B			11	S		
		2				5			
		3	1.0	26		7	3.7	11	
		4	B			9	S		
		-10				-30			
Very Stiff Gray, Dry SILTY LOAM		5				5			
		3				7			
		4				9			
		-10				-30			
End of Boring									
		1							
Stiff Gray, Moist CLAY		3	1.5	24					
		5	P						
		1							
Medium Stiff Brown and Gray, Moist CLAY		3	0.8	25					
		3	B						
		-15				-35			
		2							
		3	0.8	22					
		4	B						
		2							
		2	0.6	22					
		3	B						
		-20				-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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COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. <u>NA</u> ft Stream Bed Elev. <u>NA</u> ft	D E P T H	B L O W S	U C S	M O D E
BORING NO. <u>B8</u> Station <u>19+23</u> Offset <u>35.0ft LT</u> Ground Surface Elev. <u>649.05</u> ft									
Grass and topsoil					628.05				
Black, Moist CLAY, trace organics		2				2			
		3	25			3	0.6	25	
		4				3	S		
		3				2			
Very Stiff Brown and Gray, Moist CLAY		3	2.4	30		3	3.0	16	
		-5	B			4	P		
		3				5			
Stiff to Medium Stiff Brown and Gray, Moist SILTY CLAY LOAM		3	1.4	24		11	4.4	11	
		4	B			13	S		
		5				8			
		2	0.6	29		7	6.5	16	
		-10	B			-30	S		
End of Boring									
		1							
Petroleum smell at 11'		2	0.6	21					
		3	B						
		1							
Medium Stiff Black, Moist SILTY LOAM		2	2.2	22					
		4	P						
		1							
Very Stiff Black, Moist CLAY		2	1.0	20					
		2	B						
		4							
		2							
		2	1.2	20					
		4	B						
		-20				-40			

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SOIL BORING LOGS

FILE NAME = P:\P-09\2193 - IDOT DUR\Task-04\DWG\SH	USER NAME = .2193 Task 4. 16_D4-9400909-sh-blogs04.dgn	DESIGNED - DRAWN - AMW - IDOT	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS LOCUST STREET-RECONSTRUCTION			F.A.P. RTE. 685/22	SECTION (41Z, 135)R, N; (1CS)I	COUNTY FULTON	TOTAL SHEETS 125	SHEET NO. 113
	PLOT SCALE = NTS	CHECKED -	REVISED -		SCALE:	SHEET NO. 04 OF 04 SHEETS	STA. 13+82 TO STA. 13+87	CONTRACT NO. 68877		ILLINOIS FED. AID PROJECT	D4-94-009-09	
	PLOT DATE = 12/21/2010	DATE - 12/21/2010	REVISED -									