



Illinois Department  
of Transportation  
Division of Highways  
GSG CONSULTANTS, INC.

# SOIL BORING LOG

Date 7/1/10

ROUTE FAP 619 (IL 71) DESCRIPTION Boring located south of roadway. LOGGED BY NSP  
SECTION 120 BR, CR LOCATION Granville Road District, SEC. 9, TWP. 32N, RNG. 1W, 3rd PM,  
Latitude 41° 15' 26.64" N, Longitude 89° 13' 47.75" W  
COUNTY Putnam DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	D E P T H	B L O W S	U C S	M O I S T
Station	(m)	(/150 mm)	(kPa)	(%)	(m)	(m)	(/150 mm)	(kPa)	(%)
078-1001					203.87	7			
12+058.1					203.40				
B-1									
12+052.1									
12.19 m RT									
204.66 m									
Gray and Black, Moist SILTY CLAY (fill), trace organics						5			
						10		31	
						2			
Note: Brick fragments observed at -1.2m						2		31	
203.13	-1.5				-7.5	5	115	12	
Medium Stiff Black, Moist SILTY CLAY LOAM, trace organics						1			
						1	57	29	
202.37						1	B		
Medium Stiff to Stiff Mottled Brown and Gray, Moist SILTY CLAY LOAM						2			
202.07						1	115	14	
Stiff Brown, Wet CLAY LOAM						3			
						3	B		
-3.0					-9.0	4	115	13	
						5	B		
195.51									
End of Boring									
						2			
						3	115	14	
						5	B		
200.54						3			
Stiff to Very Stiff Brownish Gray, Wet CLAY LOAM, trace gravel						5	153	13	
						7	B		
-4.5					-10.5				
199.78						2			
Very Stiff to Stiff Brownish Gray, Wet CLAY LOAM, trace gravel						5	268	11	
						6	B		
						3			
						5	77	14	
-6.0					-12.0				

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 Transportation  
Division of Highways  
GSG CONSULTANTS, INC.

# SOIL BORING LOG

Date 6/30/10

ROUTE FAP 619 (IL 71) DESCRIPTION Boring located on shoulder on north side of roadway. LOGGED BY NSP  
SECTION 120 BR, CR LOCATION Granville Road District, SEC. 9, TWP. 32N, RNG. 1W, 3rd PM,  
Latitude 41° 15' 27.18" N, Longitude 89° 13' 46.96" W  
COUNTY Putnam DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	D E P T H	B L O W S	U C S	M O I S T
Station	(m)	(/150 mm)	(kPa)	(%)	(m)	(m)	(/150 mm)	(kPa)	(%)
078-1001					203.88	5			
12+058.1					200.90				
B-2									
12+059.7									
4.27 m LT									
205.57 m									
Gray to Black SANDY LOAM (fill), trace gravel						2			
205.26						3		15	
						5			
						2			
Medium Stiff to Stiff Black, Wet CLAY						2	192	33	
						1	P		
-1.5					-7.5	4	96	12	
						6	B		
						2			
						2	96	33	
						3	B		
204.50						6	575	11	
						6	P		
202.98						6			
Medium Stiff to Very Stiff Gray, trace Brown, Wet CLAY						2			
						2	144	31	
						2	P		
-3.0					-9.0	9	671	10	
						9	P		
196.43									
End of Boring									
						3			
						4	259	14	
						5	B		
202.06									
Very Stiff to Stiff Brown, Moist CLAY LOAM						2			
						4	172	13	
						6	B		
-4.5					-10.5				
201.45						3			
Stiff to Very Stiff Brownish Gray, Moist CLAY LOAM						4	172	11	
						4	B		
						3			
						4	192	12	
-6.0					-12.0				

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)

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**SOIL BORING LOGS**

FILE NAME = sheets.dgn	USER NAME = keithbr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORING LOGS (EXISTING S.N. 078-1001)</b>	F.A.P. RTE. 619	SECTION 120BR,CR	COUNTY PUTNAM	TOTAL SHEETS 77	SHEET NO. 50	
	PLOT SCALE = 3.6000 M / in.	CHECKED -	REVISED -			CONTRACT NO. 68740					
	PLOT DATE = 3/29/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.		