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

SOIL BORING LOG

Page 1 of 1

Date 9/3/09

ROUTE FAP 639 (IL 17) DESCRIPTION IL 17 at culverts located east of Aledo, IL (Greene County Road District) LOGGED BY MAG

SECTION (125)I-1 LOCATION , SEC. 17, TWP. 14 N, RNG. 2 W, 4th PM,

COUNTY Mercer DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. -
Station -

BORING NO. B-1
Station 1080+00
Offset 13.3ft RT
Ground Surface Elev. 99.25 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft

Groundwater Elev.:
First Encounter None ft ▼
Upon Completion 82.8 ft ▽
After ___ Hrs. N/A ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
98.75 / 98.45 Stiff Dark Gray, Dry CLAY, trace gravel		3		
		3	1.4	24
		4	B	
Stiff Brown and Gray, Dry CLAY LOAM, trace gravel				
		1		
		1	1.4	29
	-5	2	P	
92.75 Very Stiff to Stiff Dark Gray, Dry SILTY CLAY LOAM, trace gravel		2		
		2	2.5	26
		3	P	
90.25 Very Stiff Gray and Brown, Dry SILTY CLAY, trace gravel		2		
		2	P	22
	-10	4	2.5 P	
87.75 Stiff Black, Dry CLAY LOAM, trace gravel		1		
		2	1.5	33
		3	P	
		1		
		3	1.0	26
	-15	3	B	
82.75 ▽ Very Hard Light Brown and Gray, Dry SILTY LOAM		6		
		9	11.0	16
		11	P	
80.25		14		
		19	2.8	13
	-20	19	S	
Very Stiff to Stiff Light Gray, Dry SILTY LOAM (continued) 3" Seam of Brown SILTY LOAM at 21'		12		
		14	4.6	
		16	P	12
		10		
		16	1.8	12
	-25	20	S	
73.25 Very Stiff Gray, Dry SILT, trace gravel		14		
		26	4.6	15
		37	S	
		24		
		50	3.5	12
	-30	70	P	
		33		
		100/	2.4	18
64.25	-35	4"	B	
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)

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ROUTE FAP 639 (IL 17) DESCRIPTION IL 17 at culverts located east of Aledo, IL (Greene County Road District) LOGGED BY MAG

SECTION (125)I-1 LOCATION , SEC. 17, TWP. 14 N, RNG. 2 W, 4th PM,

COUNTY Mercer DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. -
Station -

BORING NO. B-2
Station 1094+20
Offset 14.0ft RT
Ground Surface Elev. 101.58 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft

Groundwater Elev.:
First Encounter 61.6 ft ▼
Upon Completion None ft ▽
After ___ Hrs. N/A ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAVEL (fill) 101.08 Very Soft to Stiff Brown and Gray, Dry CLAY, trace gravel, organics		0		
		2		26
		2		
		2		
		2	0.2	14
	-5	2	B	
96.08 Stiff to Soft Brown and Gray, Dry CLAY, trace gravel, organics		1		
		2	1.3	29
		2	P	
		1		
		2	0.5	22
	-10	4	B	
90.58 Stiff Light Gray, Dry CLAY		2		
		2	2.0	24
		3	B	
87.58 Medium Stiff Black, Dry CLAY LOAM, trace organics		1		
		2	1.0	28
	-15	4	B	
		2		
		2	0.8	45
		3	B	
		2		
		1	0.8	36
	-20	3	B	
80.58 Very Stiff to Hard Brown and Gray, Dry SILTY CLAY, trace gravel		4	2.6	20
		4	S	
		5		
		3		
		4	3.5	18
	-25	6	S	
		4		
		5	6.0	18
		7	S	
73.08 Very Stiff Brown and Gray, Dry SILTY CLAY, trace gravel, organics		4		
		7	3.5	14
	-30	10	S	
68.08 Very Hard Light Gray, Dry SILTY LOAM		29		
		64		11
	-35	36/2"		
62.58 Very Hard, Dark Gray, Dry SILTY LOAM		17		
		70		14
61.58 ▼	-40	30/2"		
End of Boring				

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 = D468704-sht-plan.dgn	USER NAME = longsr	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.P. RTE. .639	SECTION (125)I-1	COUNTY MERCER	TOTAL SHEETS 33	SHEET NO. 13
		DRAWN - BZS_-_IDOT	REVISED - ___					CONTRACT NO. 68929		
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - ___	REVISED - ___							
	PLOT DATE = 4/8/2010	DATE - _____	REVISED - ___		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. 1080+00 TO STA. 1094+20			ILLINOIS FED. AID PROJECT		