Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 1

Date 4/20/05

ROUTE FAP 310 DESCRIPTION US 67 Soil Survey LOGGED BY M. Tappan

SECTION 69-3 LOCATION , SEC. , TWP. , RNG. , PM

COUNTY Morgan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. N/A
Station 877+21

BORING NO. 18
Station 877+21
Offset 0.0ft cL
Ground Surface Elev. 609.6 ft

Surface Water Elev. 604.1 ft
Stream Bed Elev. 603.8 ft

Groundwater Elev.:
▽First Encounter 595.6 ft
▽Upon Completion 599.6 ft
▼After 48 Hrs. 602.1 ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Tan and Lt Gray Moist SILT Ref Classification 20-2		1		
		3	0.7	25
		2	S-10	
		0		
Brown and Lt Gray V. Moist SILT		1	0.2	37
	-5	1	B	
		1		
Tan and Lt Gray Moist SILT w/ Silt Loam Seams ▼		2	1.0	25
		2	B	
601.60				
Brownish Gray Moist Slightly Organic SILT Ref Classification 20-3		0		
		1	0.7	25
▽	-10	2	B	
599.10				
Brown and Gray Moist CLAY LOAM (Till) Ref Classification 15-1		0		
		1	0.6	25
		2	B	
		0		
Free Water ▽		1	0.4	32
	-15	1	B	
		0		
Lt Blue Gray V. Moist CLAY (Till)		0	0.2	24
		1	B	
		0		
Moist		1	0.9	22
	-20	1	B	

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
589.10				
Gray Moist CLAY LOAM (Till)		2		
		8	4.7	9
		16	S-12	
587.10				
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\SOILS\GINT FILES\MORGAN\US 67 PROPOSED\P96-003-04 CHAMPN-BETHEL SURVEY.GPJ Data Template DOTEMPLT.GDT Date Printed 3/17/11
Latitude 39 Deg 46.331 N Longitude 90 Deg 23.733 W Datum NAD83 Job Number

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 1

Date 4/19/05

ROUTE FAP 310 DESCRIPTION US 67 Soil Survey LOGGED BY M. Tappan

SECTION 69-3 LOCATION , SEC. , TWP. , RNG. , PM

COUNTY Morgan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. N/A
Station 877+21

BORING NO. 19
Station 877+21
Offset 88.0ft Rt
Ground Surface Elev. 615.2 ft

Surface Water Elev. 604.1 ft
Stream Bed Elev. 603.8 ft

Groundwater Elev.:
▽First Encounter 588.7 ft
▽Upon Completion Dry ft
▼After 48 Hrs. 606.2 ft

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown Moist SILTY CLAY Ref Classification 20-1		1		
		2	0.8	27
		2	B	
612.20				
Tan and Lt Gray V. Moist SILT Ref Classification 20-2		0		
		1	0.4	26
	-5	1	B	
		1		
Moist		3	0.8	26
		4	S-13	
		0		
V. Moist ▼		1	0.3	28
	-10	1	B	
604.70				
Grayish Brown to Lt Brown and Gray Moist SILT Slightly Organic, Ref Classification 20-3		0		
		1	0.4	30
		1	B	
602.20				
Gray V. Moist SILT Ref Classification 20-4				
	-15			
Lt Blue Gray V. Moist SILT				
597.70				
Lt Blue Gray Moist CLAY LOAM (Till) Ref Classification 15-1				
	-20			

Description	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Lt Blue Gray Moist CLAY LOAM (Till) Ref Classification 15-1 (continued)				
591.20				
Gray Moist CLAY LOAM (Till)				
	-25			
Brown and Gray Dry CLAY LOAM ▽ (Till) Free Water				
587.70				
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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Latitude 39 Deg 46.504 N Longitude 90 Deg 23.749 W Datum NAD83 Job Number

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT BORINGS
FAP 310 (US 67/IL 104)
SHEET 3 OF 9

DRAWN BY EBB
DATE 3/11 CHECKED BY

Mar-30-2011 09:41:06AM 9:41:06 AM
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