

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Date 5/27/05

ROUTE FAU 8173 DESCRIPTION Mound Road over IL 104 LOGGED BY M. Tappan

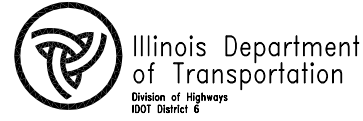
SECTION (69-HB)BR LOCATION SW 1/4, SEC. 24, TWP. 15 N, RNG. 10 W, 3 PM

COUNTY Morgan DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 069-0031 Ex	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. N/A ft	D E P T H	B L O W S	U C S	M O I S T
Station 100+00	H S Qu T				Stream Bed Elev. N/A ft	H S Qu T			
BORING NO. 1 W. Abut					Groundwater Elev.:				
Station 99+24					First Encounter 643.7 ft				
Offset 7.0ft Lt					Upon Completion Washed ft				
Ground Surface Elev. 667.7 ft	(ft)	/6" (tsf)	(%)		After Hrs. Plugged ft	(ft)	/6" (tsf)	(%)	

Brown Moist SILTY CLAY	Grey and Brown Moist SANDY CLAY LOAM (continued)		
	1		
	4	1.6	21
	6	B	
	644.70		
Light Greyish Brown Moist SILTY CLAY LOAM	Brown Medium Grained Dirty SAND		
	1		
	2	0.7	28
662.20			Free Water
	2	B	
	2		
659.70			Grey Medium to Coarse Grained SAND
Light Greyish Brown V. Moist SILT LOAM	0		
	1	0.6	27
659.70			CLAY LOAM (Till)
Moist	0		
	1	0.4	27
654.70			Brown and Grey Moist CLAY LOAM (Till)
	1	B	
	2		
	10		
651.20			Grey Moist CLAY LOAM (Till)
Light Greyish Brown Moist SILTY CLAY LOAM	0		
	1	0.8	25
654.70			Grey Moist CLAY LOAM (Till)
	1		
	3	1.5	20
	4	B	
	15		
651.20			Grey and Brown Moist SANDY CLAY LOAM
Grey and Brown Moist SILTY CLAY	1		
	2	1.7	21
649.70			Grey and Brown Moist SANDY CLAY LOAM
	1		
	2	1.0	19
	3	B	
	20		
	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 Sealing
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)



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Station 100+00	H S Qu T				Stream Bed Elev. N/A ft	H S Qu T			
BORING NO. 1 W. Abut					Groundwater Elev.:				
Station 99+24					First Encounter 643.7 ft				
Offset 7.0ft Lt					Upon Completion Washed ft				
Ground Surface Elev. 667.7 ft	(ft)	/6" (tsf)	(%)		After Hrs. Plugged ft	(ft)	/6" (tsf)	(%)	

CLAY LOAM (Till) (continued)	CLAY LOAM (Till) (continued)		
Grey Moist CLAY LOAM (Till)	w/ SILT Seams		
	1		
	12	6.1	11
645.20			Grey Moist CLAY LOAM (Till)
	19	S-12	
	19		
645.20			Grey Moist CLAY LOAM (Till)
	4		
	16	6.7	13
	23	B	
	25		
645.20			Grey Moist CLAY LOAM (Till)
w/ 8" Coarse Grained SAND Seam	5		
	25	5.9	10
645.20			Grey Moist CLAY LOAM (Till)
	12	B	
	14		
	8	3.8	14
	14	B	
	14		
645.20			Grey Moist CLAY LOAM (Till)
Grey Moist CLAY LOAM (Till) w/ Sandy Clay Loam (Till) Seams	5		
	26	10.0	12
645.20			Olive Brown and Grey Moist CLAY LOAM (Till)
	70	E	
	70		
645.20			Grey Moist CLAY LOAM (Till)
w/ SILT Seams	2		
	15	5.3	18
645.20			CLAY LOAM (Till) (continued)
	17	S-12	
	17		
645.20			Boring Completed

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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DESIGNED	BAN
CHECKED	JOH
DRAWN	TAC
CHECKED	BAN

SOIL BORINGS LOGS
MOUND ROAD (FAU ROUTE 8173)
OVER ILLINOIS ROUTE 104
SECTION (69-HB)BR
MORGAN COUNTY
STATION 100+00.00
STRUCTURE NO. 069-0521

HU CHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Date: 101810