



Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 5/31/05

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	B	U	M	Surface Water Elev.	N/A ft	D	B	U	M
Station	069-0521 Pr	E	L	C	O	Stream Bed Elev.	N/A ft	P	L	C	O
	100+00	P	O	S	I			T	W	S	I
BORING NO.	4 E. Abut	H	S	Qu	T	Groundwater Elev.:		H	S	Qu	T
Station	101+09					∇ First Encounter	No Encounter ft				
Offset	7.0ft Rt					∇ Upon Completion	Dry ft				
Ground Surface Elev.	668.7 ft	(ft)	/6"	(tsf)	(%)	∇ After	Hrs. Plugged ft	(ft)	/6"	(tsf)	(%)

Asphalt and Concrete					CLAY LOAM (Till) (continued)						
	667.20										
Brown Moist SILTY CLAY					Brown and Grey to Grey Moist CLAY LOAM (Till)						
		1									
		2	0.7	28	Grey						
		2	B								
	663.20										
Grey and Light Brown V. Moist SILT LOAM											
		0									
		1	0.4	27							
		1	B								
		0									
		1	0.4	25	Grey Moist CLAY LOAM (Till)						
		2	B								
	658.20										
Brown Moist SILTY CLAY LOAM											
		0									
		2	1.5	22							
		3	B								
	655.70										
Grey and Brown Moist SILTY CLAY											
		1									
		2	1.4	17							
		3	B								
	653.20										
Grey and Brown Moist SANDY CLAY LOAM											
		1									
		2	1.6	18							
		4	B								
	650.70										
CLAY LOAM (Till)											
		1									
		2	1.7	20							
		5	B								
		2									
		5	B								

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)



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	100+00	P	O	S	I			T	W	S	I
BORING NO.	4 E. Abut	H	S	Qu	T	Groundwater Elev.:		H	S	Qu	T
Station	101+09					∇ First Encounter	No Encounter ft				
Offset	7.0ft Rt					∇ Upon Completion	Dry ft				
Ground Surface Elev.	668.7 ft	(ft)	/6"	(tsf)	(%)	∇ After	Hrs. Plugged ft	(ft)	/6"	(tsf)	(%)

CLAY LOAM (Till) (continued)					CLAY LOAM (Till) (continued)						
		4									
		8	5.1	12	Grey Moist CLAY LOAM (Till)						
		10	B								
		4									
		7	5.3	15							
		12	B								
		3									
		7	4.4	15	Olive Grey and Brown Moist CLAY LOAM (Till)						
		8	B								
		2									
		7	5.3	14							
		8	B								
		3									
		5	3.9	15	Refer STA to cL of Existing Structure, SN 069-0031 cL = 100+00, Increase to East						
		8	B		Refer Elevation to BM Chisted Square on Fire Hydrant = 670.3'						
		3									
		5	3.9	15							
		8	B								

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File Name: S:\SOILS\GINT FILES\MORGAN\069-0521 PR MOUND ROAD OVER IL 104.GPJ Date Template: DTEMLT.GDT Date Printed: 8/16/06
Latitude: 39 Deg 43.826 N Longitude: 90 Deg 16.398 W Datum: NAD83 Job Number: 069-0521-03

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: 10/18/10