

04/0078_76976_33_BORG.DGN NOV. 25, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 9/27/11

ROUTE FAP 805 (FA 117) DESCRIPTION IL 161 over Sugar Creek LOGGED BY J. King

SECTION 126BR-1 LOCATION SW 14, SEC. 11, TWP. 1N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. <u>014-0007 (E)</u>	D	B	U	M	Surface Water Elev. _____ ft	D	B	U	M
Station <u>1119+05</u>	E	L	C	O	Stream Bed Elev. _____ ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. <u>5 Pier 1</u>	T	W	S	S	Groundwater Elev.: _____ ft	T	W	S	S
Station <u>1118+27</u>	H	S	Qu	T	First Encounter _____ ft	H	S	Qu	T
Offset <u>20.00ft Right</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>419.2</u> ft	(ft)	(6")	(tsf)	(%)	After _____ Hrs. _____ ft	(ft)	(6")	(tsf)	(%)

Soil Description	Depth (ft)	UCS (tsf)	Failure Mode	SPT (blows)
Brown SILT	0 - 414.9			
		8	0.92 S	23
Brown and Gray Silty CLAY	414.9 - 412.4			
		6	0.65 B	28
Tan and Gray Silty CLAY	412.4 - 409.9			
		5	0.65 B	26
Tan and Gray Clay TILL	409.9 - 399.9			
		5	0.81 B	30
		4	0.55 S	20
		13	2.57 S	15
		15	2.17 B	14
Gray Clay TILL	399.9 - 20			
		12	1.63 B	14
		12	1.63 B	14
		12	1.63 B	14
		11	1.30 B	15
		9	1.17 B	15
		18	1.30 B	18
		21	3.42 S	11
		32	2.83 S	11

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, from 137 (Rev. 8-99)



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	P	O	S	I		P	O	S	I
BORING NO. <u>5 Pier 1</u>	T	W	S	S	Groundwater Elev.: _____ ft	T	W	S	S
Station <u>1118+27</u>	H	S	Qu	T	First Encounter _____ ft	H	S	Qu	T
Offset <u>20.00ft Right</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>419.2</u> ft	(ft)	(6")	(tsf)	(%)	After _____ Hrs. _____ ft	(ft)	(6")	(tsf)	(%)

Soil Description	Depth (ft)	UCS (tsf)	Failure Mode	SPT (blows)
Gray Clay TILL (continued)	0 - 358.0			
		21	3.75 S	12
		51	4.50 S	11
		26	3.66 S	11
		21	3.85 S	12
Gray Silty TILL	358.0 - 364.9			
		50	1.55 S	13
		22	1.94 S	14
Green Gray Silty Clay TILL	364.9 - 20			
		32	4.26 S	16
		30	3.46 S	17

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BBS, from 137 (Rev. 8-99)

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SOIL BORING LOGS

SHEET NO. 33	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	805	126-BR-1	CLINTON	85	64
34 SHEETS	S.N. 014-0078		CONTRACT NO. 76976		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					