

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 3
Date 1/20/04

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb to Carthage LOGGED BY JAR
SECTION 24.31.32 LOCATION SEC. TWP. RNC.
COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H ft	B L O W S Qu	U C S Qu	M O D E S T	Surface Water Elev.		Stream Bed Elev.		D E P T H ft	B L O W S Qu	U C S Qu	M O D E S T
						ft	(/6")	(tsf)	(%)				
BNSF RR	88791 (8893) 939+40 85.00ft Lt 689.37												
		688.37											
	Dark Brown SILTY CLAY LOAM		2										
			3	1.2	30.0								
			3	B									
	Gray & Dark Brown CLAY LOAM	685.37	2										
			2	1.2	26.0								
			3	B									
			2										
			2	0.8	30.0								
			2	B									
			1										
			2	1.5	30.0								
			3	B									
	Brown & Gray CLAY LOAM TILL	677.87	2										
			2	1.2	28.0								
			3	B									
			1										
			2	1.2	23.0								
			9	B									
			1										
			2	0.7	21.0								
			3	B									
			5										
			10	8.0	11.0								

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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						ft	(/6")	(tsf)	(%)				
BNSF RR	88791 (8893) 939+40 85.00ft Lt 689.37												
	Gray CLAY LOAM TILL (continued)		10	B									
			3										
	Brown & Gray Med SAND	647.87	3										
			6	2.9	15.0								
			9	B									
			12										
	Brown & Gray Med. SAND	645.37	11										
			21										
			22										
			7										
			11	6.2	12.0								
			16	B									
			7										
			11	6.6	16.0								
			16	B									
			5										
			14	5.0	14.0								
			15	B									
			4										
			10	2.5	16.0								
			9	B									
			3										
			5	2.1	17.0								
			11	B									
			3										
			5	2.3	17.0								
			6	B									
			4										
			6	2.5	17.0								
			6	2.5	17.0								

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						ft	(/6")	(tsf)	(%)				
BNSF RR	88791 (8893) 939+40 85.00ft Lt 689.37												
	Gray Fine SAND (continued)		35	P									
			11										
	Dark Gray CLAY LOAM TILL	607.87	14	4.7	19.5								
			21	B									
			2										
			2	1.1	38.3								
			5										
			8	3.1	19.0								
			8	B									
			2										
			4	1.6	25.0								
			6	B									
			3										
			5	1.6	22.0								
			7	B									
			3										
			5	2.9	21.0								
			7	B									
			4										
			5	2.9	21.0								
			9										
			23	0.5	29.0								
			42	P									
			16										
			24										
			76	3.5	19.2								
			5										
			22	1.0	20.4								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

DESIGNED P.J.L.
CHECKED W.D.L.
DRAWN M.G.M.
CHECKED P.J.L.

BORING LOGS
BURLINGTON NORTHERN
SANTA FE RAILROAD OVER
IL. ROUTE 336
F.A.P. ROUTE 315 SECT. 55-2
McDONOUGH COUNTY
STATION 554+41.87
STRUCTURE NO. 055-9901
B.N.S.F. LINE SEGMENT 0011
B.N.S.F. BRIDGE NO. 206.04

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