

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 3
Date 4/12/04

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

STRUCT. NO. BNSF RR
Station
BORING NO. 88794 (8894)
Station 999+52
Offset 90.00H RL
Ground Surface Elev. 688.60 ft

DEPTH (ft)	DIAMETER (in)	SOIL DESCRIPTION	TESTS	UCS (psi)	SPC (%)	MOISTURE (%)
0		Surface Water Elev. _____ ft				
0		Stream Bed Elev. _____ ft				
0		Groundwater Elev.: _____ ft				
0		First Encounter _____ ft				
0		Upon Completion _____ ft				
0		After 24 Hrs. _____ ft				
0		Gray to Brown CLAY LOAM TILL (continued)				
3	1.9	Dark Brown TO Gray SILTY CLAY LOAM	4	2.3	14.0	
5	S		14	P		
2			9			
2	1.0		12	4.5	12.0	
5	S		35	A		
1		Gray, Brown & Reddish Brown SILTY LOAM	4			
3	2.9		9	5.2	14.0	
23	S		12	S		
1		Brown & Gray CLAY LOAM	4			
2	0.7		8	5.0	15.0	
2	B		13	S		
2			4			
2	1.3		6	2.9	16.0	
4	S		12	B		
1		Greenish Gray SANDY CLAY LOAM	3			
2	0.9		4	2.5	15.0	
2	B		7	B		
1		Brown & Gray CLAY LOAM TILL	7			
2	2.5		11	5.6	12.0	
10	S		18	S		
8			22			
11	5.8		32	4.5	13.0	
15	S		40	22	S	

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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0		First Encounter _____ ft				
0		Upon Completion _____ ft				
0		After 24 Hrs. _____ ft				
17		Gray to Brown CLAY LOAM TILL (continued)				
16	3.7		16	3.3	20.0	
17	S		7	B		
9			4			
12	4.5		6	3.9	18.0	
35	A		9	B		
4		Gray & Brown CLAY TILL	4			
5	3.5		6	2.8	36.0	
8	B		8	S		
3		Gray & Brown SILTY LOAM	6			
5	3.1		8	1.8	25.0	
8	B		10	S		
4			4			
6	2.9		8	3.1	25.0	
8	B		10	S		
3			3			
4	2.5		4	3.9	26.0	
7	B		9	B		
3			6			
4	2.5		7	3.5	24.0	
5	B		11	B		
3			4			
3	2.9		6	2.7	25.0	
7	B		7	B		

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0		Surface Water Elev. _____ ft				
0		Stream Bed Elev. _____ ft				
0		Groundwater Elev.: _____ ft				
0		First Encounter _____ ft				
0		Upon Completion _____ ft				
0		After 24 Hrs. _____ ft				
3		Gray & Brown SILTY LOAM (continued)				
5	2.9		5	2.9	39.0	
7	S		7	S		
5			5			
6	1.2		6	1.2	30.0	
6	B		6	B		
4	1.7		4	1.7	41.0	
6	B		6	B		
9			9			
4	1.7		4	1.7	29.8	
5	B		5	B		
6	1.4		6	1.4	22.4	
6	B		6	B		
5			5			
7	2.9		7	2.9	22.9	
9	B		9	B		
4		Gray SILTY CLAY LOAM	4			
6	1.2		6	1.2	23.5	
6	B		6	B		
11		Gray, Brown & Reddish SHALEY CLAY (continued)				
16	4.5		16	4.5	19.4	
31	B		31	B		
3			3			
26	5.2		26	5.2	15.4	
36	S		36	S		

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DESIGNED P.J.L.
CHECKED WDL
DRAWN MGM
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

