

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Contract # 68205

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 3 Date 4/14/04

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 938+95

BORING NO. 88792 (8892)
Station 938+95
Offset 70.00H ft

Ground Surface Elev. 689.40 ft (ft) (/6") (tsf) (%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 677.9 ft
Upon Completion 684.2 ft
After 24 Hrs. 684.2 ft

Description	Elev. (ft)	D	B	U	M	SPT (blows)	UCS (tsf)	Failure Mode
NO RECOVERY (continued)						14		
Dark Brown & Gray SILTY CLAY LOAM	687.90	3	2.5	8.0				
		1.5	4					
						4		
						10	5.4	13.1
						14	S	
						4		
						9	5.4	13.8
						12	S	
						5		
						7	4.1	14.7
						2	B	
Brown & Gray CLAY LOAM	680.40	1						
w/trace of SAND		2	0.7	25.5				
		2	B					
		2	0.9	29.1				
		2	B					
Gray, Brown & Reddish Brown SANDY CLAY LOAM	677.90	1	1.0	28.6				
		2	B					
		2						
		1						
		2	0.9	24.3				
		5	S					
Gray Med. Fine SAND	672.90	1						
		4		26.9				
		7						
NO RECOVERY	670.40	4						
		7		12.4				

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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Brown & Gray to Reddish Brown Med. to Fine SAND (continued)	647.90	25						
Brown & Gray SANDSTONE	647.90	6						
		28		18.0				
		72						
Brown Fine Med. SAND	645.40	19						
		54		13.0				
		46						
Brown & Gray CLAY LOAM TILL	642.90	2						
		19	5.9	13.0				
		19	S					
		12						
		19	5.2	12.0				
		27	S					
Brown & Gray Fine SAND	637.40	14	2.5	13.0				
Greenish Gray to Gray CLAY LOAM TILL	635.40	32	S	24.0				
		31						
		4						
		4	1.8	18.0				
		6	B					
Greenish Gray to Gray SANDY CLAY LOAM	632.90	2						
		5	1.0	20.0				
		6	S					
Dark Brown SILTY LOAM	630.40	4	3.3	19.0				
		6	S	16.0				

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Description	Elev. (ft)	D	B	U	M	SPT (blows)	UCS (tsf)	Failure Mode
Gray to Brown SILTY LOAM (continued)	607.90	7	S					
Gray to Brown SILTY CLAY LOAM	607.90	2						
		4	2.2	32.0				
		6	S					
Gray to Brown SILTY LOAM	606.40	4						
		5	0.9	34.0				
		7	S					
		6	S					
		4						
		5	2.2	26.0				
		6	S					
		2						
		4	1.5	24.0				
		6	B					
		4						
		5	3.1	23.0				
		7	B					
		9						
Blue Gray SANDSTONE	595.40	24		17.0				
		35						
Gray & Brown SHALY CLAY	592.90	7						
		8	2.2	26.0				
		12	S					
		7						
		25	6.6	16.0				

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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

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