

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Contract # 68205

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 3
Date 4/15/04

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. 98796 (9896)
Station 1000+60
Offset 75.00ft RL
Ground Surface Elev. 689.40 ft

DEPTH (ft)	SOIL DESCRIPTION	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED SOIL CLASSIFICATION	FIELD NOTES
0	Surface Water Elev.						
0	Stream Bed Elev.						
0	Groundwater Elev.:						
0	First Encounter						
0	Upon Completion						
0	After 24 Hrs.						
689.40	Brown & Gray CLAY LOAM TILL (continued)						
688.40	Dark Brown & Brown SILTY CLAY LOAM	3					
		4	2.1	26.0			
		4	S				
		2					
		2	0.9	31.0			
		2	S				
		1					
		2	1.0	31.0			
		2	S				
880.90	Dark Gray & Brown SANDY CLAY LOAM	1					
		1	0.9	26.0			
		2	S				
		2					
		2	1.8	25.0			
		3	S				
		1					
		2	1.2	27.0			
		3	S				
673.40	Gray Fine SAND	1					
		2					
		5		26.0			
650.90	Brown & Gray CLAY LOAM TILL						
650.90	Dark Gray CLAY LOAM TILL	19					
		8	6.8	12.0			
		15	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)

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 2 of 3
Date 4/15/04

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. 98796 (9896)
Station 1000+60
Offset 75.00ft RL
Ground Surface Elev. 689.40 ft

DEPTH (ft)	SOIL DESCRIPTION	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED SOIL CLASSIFICATION	FIELD NOTES
650.90	Dark Gray CLAY LOAM TILL (continued)						
		5					
		11	4.1	13.0			
		11	B				
		4					
		8	4.1	13.0			
		10	S				
		10					
		11	3.9	13.0			
		16	B				
520.90	Greenish Gray & Brown CLAY LOAM TILL (continued)						
		12					
		8	3.1	15.0			
		10	S				
		1					
		3	2.3	19.0			
		8	B				
		2					
		4	2.0	16.0			
		8	S				
633.40	Gray Med. Fine SAND						
		18					
		39		18.0			
		45					
650.90	Greenish Gray & Brown CLAY LOAM TILL						
		6					
		5	2.1	20.0			
		7	B				

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)

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 3 of 3
Date 4/15/04

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. 98796 (9896)
Station 1000+60
Offset 75.00ft RL
Ground Surface Elev. 689.40 ft

DEPTH (ft)	SOIL DESCRIPTION	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED SOIL CLASSIFICATION	FIELD NOTES
583.40	Dark Gray to Dark Brown SILTY CLAY (continued)						
		4					
		5	2.4	26.0			
		8	S				
		4	1.6	39.0			
		6	S	36.0			
		8	1.7	28.0			
		10	S				
583.40	Gray Soft SHALE						
582.90	End of Boring						
		4					
		5	2.1	36.0			
		7	B				
		4					
		6	2.5	32.0			
		8	B				
		4					
		6	2.3	23.0			
		8	B				
593.40	Green Gray SANDSTONE						
		14					
		23		22.0			
		32					
590.90	Gray, Brown & Red SHALEY CLAY						
		21					
		24	3.5	20.0			
		43	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)

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



3/26/2006 11:06:35 AM