

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Contract # 68205

Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG Page 1 of 3 Date 3/23/04

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 (Ramp 1)

BORING NO. TB/98575 (TB575)
Station 994+20
Offset 92.00ft LT OF CL
Ground Surface Elev. 690.00 ft

DEPTH (ft)	SOIL DESCRIPTION	U	M	W	Q	T	(ft)	(%)
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							
14	Brown & Gray SILTY CLAY LOAM (continued)						14	S
668.50	Brown & Gray CLAY LOAM TILL						10	
16							7.8	13.0
20							S	
6							6	
9							6.8	11.0
16							S	
663.50	Gray Fine SAND						11	
14							12.0	
25								
661.00	Brown & Gray CLAY LOAM TILL						6	
10							4.2	13.0
12							S	
5							5	
6							4.1	14.0
10							B	
4							4	
7							3.1	14.0
11							S	
4							4	
7							3.5	14.0
10							S	
4							4	
7							3.3	14.0
10							S	
671.00	Brown & Gray SILTY CLAY LOAM						2	
16							3.9	12.0
20								

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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DEPTH (ft)	SOIL DESCRIPTION	U	M	W	Q	T	(ft)	(%)
10	Brown & Gray CLAY LOAM TILL (continued)						10	B
11	no recovery in spoon						11	
14							14	
626.00	Gray CLAY LOAM TILL						6	
7							4.4	21.0
10							S	
641.00	Gray CLAY LOAM TILL						4	
6							2.5	14.0
10							S	
621.00	Greenish-Gray & Brown SILTY CLAY LOAM TILL						7	
11							1.4	25.0
5							5	
8							2.9	20.0
11							S	
630.50	DK. Gray CLAY						4	
6							18.0	
611.00	Gray SILTY LOAM						4	
6							18.0	

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9	DK. Gray CLAY (continued)						9	3.5
10							S	
626.00	Gray CLAY LOAM TILL						6	
7							4.4	21.0
10							S	
621.00	Greenish-Gray & Brown SILTY CLAY LOAM TILL						7	
11							1.4	25.0
5							5	
8							2.9	20.0
11							S	
601.00	Greenish-Gray SILTY CLAY LOAM						5	
8							2.9	22.0
9							B	
596.00	Greenish-Gray SANDSTONE/SANDY SHALE						0003	14.0
590.75	End of Boring						100@5	13.0

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

BORING LOGS
BURLINGTON NORTHERN
SANTA FE RAILROAD OVER
RAMP I
F.A.P. ROUTE 315 SECT. 55-2
McDONOUGH COUNTY
STATION 21+61.48
STRUCTURE NO. 055-9902
B.N.S.F. LINE SEGMENT 0011
B.N.S.F. BRIDGE NO. 206.13

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