

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	55-2	McDONOUGH	1025	19
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

Contract # 68205

**SOIL BORING LOG** Page 1 of 3

Illinois Department of Transportation Date 1/8/04

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb to Carthage LOGGED BY JAR

SECTION 24.31.32 LOCATION SEC. TWP. RNG.

COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BNSF RR Surface Water Elev. \_\_\_\_\_ ft

Station \_\_\_\_\_ Stream Bed Elev. \_\_\_\_\_ ft

BORING NO. BB797 (BB97) Groundwater Elev.: \_\_\_\_\_ ft

Station 1001+04 First Encounter \_\_\_\_\_ ft

Offset 70.00ft LL Upon Completion \_\_\_\_\_ ft

Ground Surface Elev. 689.17 ft After 24 Hrs. \_\_\_\_\_ ft

DEPTH (ft)	DIAMETER (in)	SOIL TYPE	TESTS	DEPTH (ft)	DIAMETER (in)	SOIL TYPE	TESTS
0-1		DK. Brown SILTY CLAY LOAM		0-1		Brown & Gray CLAY LOAM TILL	
1-2	1.7	B	31.0	1-2			
2-4	B			2-4			
4-17		Brown & Gray SILTY CLAY LOAM		4-17		3" gray sand seam	
1-2	0.8	B	29.0	1-2			
2-3	B			2-3			
3-1				3-1			
1-2	1.0	B	28.0	1-2			
2-3	B			2-3			
3-1				3-1			
1-2	0.8	B	29.0	1-2			
2-3	B			2-3			
3-1				3-1			
1-2	0.5	B	29.0	1-2			
2-1	0.3	B	38.0	2-1			
1-2				1-2			
2-3	2.1	B	24.0	2-3			
3-3	B			3-3			
3-1				3-1			
1-2	0.6	B	21.0	1-2			
2-3	P			2-3			
3-6				3-6			
6-6				6-6			
6-21				6-21			
21-28				21-28			

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)

**SOIL BORING LOG** Page 2 of 3

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Ground Surface Elev. 689.17 ft After 24 Hrs. \_\_\_\_\_ ft

DEPTH (ft)	DIAMETER (in)	SOIL TYPE	TESTS	DEPTH (ft)	DIAMETER (in)	SOIL TYPE	TESTS
17-45		Brown Med. SAND (continued)		17-45		Gray CLAY LOAM TILL (continued)	
17-26				17-26			
26-11	6.4	B	12.0	26-11			
11-4		Gray CLAY LOAM TILL		11-4			
4-5				4-5			
5-13				5-13			
13-5				13-5			
5-4				5-4			
4-5				4-5			
5-16				5-16			
16-4				16-4			
4-5				4-5			
5-6				5-6			
6-2				6-2			
2-4				2-4			
4-5				4-5			
5-11				5-11			
11-2				11-2			
2-3				2-3			
3-4				3-4			
4-16				4-16			
16-18				16-18			
18-16				18-16			
16-5				16-5			
5-19				5-19			
19-4				19-4			
4-16				4-16			
16-18				16-18			
18-25				18-25			
25-8				25-8			
8-16				8-16			
16-25				16-25			
25-42				25-42			
42-16				42-16			
16-24				16-24			
24-32				24-32			
32-4				32-4			
4-8				4-8			
8-18				8-18			

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DEPTH (ft)	DIAMETER (in)	SOIL TYPE	TESTS	DEPTH (ft)	DIAMETER (in)	SOIL TYPE	TESTS
18-14		Gray CLAY LOAM TILL (continued)		18-14			
14-6				14-6			
6-8				6-8			
8-17				8-17			
17-5				17-5			
5-7				5-7			
7-8				7-8			
8-4				8-4			
4-5				4-5			
5-13				5-13			
13-4				13-4			
4-5				4-5			
5-11				5-11			
11-7				11-7			
7-8				7-8			
8-4				8-4			
4-5				4-5			
5-13				5-13			
13-4				13-4			
4-7				4-7			
7-11				7-11			
11-8				11-8			
8-4				8-4			
4-5				4-5			
5-11				5-11			
11-7				11-7			
7-11				7-11			
11-4				11-4			
4-11				4-11			
11-8				11-8			
8-11				8-11			
11-18				11-18			
18-19				18-19			
19-25				19-25			
25-4.5				25-4.5			
4.5-13				4.5-13			
13-8				13-8			
8-25				8-25			
25-42				25-42			
42-95				42-95			
95-16				95-16			
16-24				16-24			
24-32				24-32			
32-4				32-4			
4-8				4-8			
8-18				8-18			

DK. Brown SILTY LOAM (Organic)/PEAT

AFTER 24 hrs. HOLE COLLAPSED @ 17.8' End of Boring

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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  
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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