

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320		MACON	31	29
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (101)RS-3, 101B-1				



Illinois Department of Transportation  
Division of Highways  
Ill. Dept. of Trans. D-7

### SOIL BORING LOG

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Date 12/28/06

ROUTE FAP 320 (IL 121) DESCRIPTION Box Culvert LOGGED BY E. Sandschafer

SECTION (101)RS-3 LOCATION S 12, SEC. 14, TWP. 15 N, RNG. 3 E, 3 PM

COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. <u>058-8309</u>	D	B	U	M	Surface Water Elev. <u>688.73</u> ft	D	B	U	M
Station <u>149+89</u>	E	L	C	O	Stream Bed Elev. <u>686.73</u> ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. <u>1</u>	T	W	S		Groundwater Elev.:	T	W	S	
Station <u>149+64</u>	H	S	Qu	T	First Encounter <u>* Dry</u> ft	H	S	Qu	T
Offset <u>14.20R Rt</u>					Upon Completion <u>677.9</u> ft				
Ground Surface Elev. <u>693.09</u> ft	(ft)	(6")	(tsf)	(%)	After <u>NA</u> Hrs.	(ft)	(6")	(tsf)	(%)

Asphalt shoulder.	692.29				Very stiff, damp, gray, CLAY TILL. (continued)	10	3.2	11
Aggregate and Clay mixture.					Extent of exploration.	672.09	13	B
Stiff, damp, dark gray, CLAY.	691.09				Benchmark: TBM PK Nail at Station 149+88.9 on centerline = 693.32', provided by Program Development.			
		3						
		5	1.2	25				
		9	PP					
		4						
		7	1.2	23				
		13	B		* Note: No water encountered while boring, however upon removal of hollow stem augers, hole caved at 15.2' depth and water was present.			
		2						
Soft, wet, gray, SANDY LOAM.	685.09							
		4	0.7	25				
		6	B					
Very stiff, damp, gray, CLAY TILL.	683.59							
		7						
		12	2.7	13				
		14	B					
		4						
		7	3.2	12				
		10	B					
		6						
		12	3.8	11				
		16	B					
		6						
		10	4.1	11				
		13	B					
		7						

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)

PLOT DATE = #DATE#  
PLOT SCALE = #SCALE#  
PLOT NAME = #USER#



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STRUCT. NO. <u>058-8309</u>	D	B	U	M	Surface Water Elev. <u>688.73</u> ft	D	B	U	M
Station <u>149+89</u>	E	L	C	O	Stream Bed Elev. <u>686.73</u> ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. <u>2</u>	T	W	S		Groundwater Elev.:	T	W	S	
Station <u>150+16</u>	H	S	Qu	T	First Encounter <u>Dry</u> ft	H	S	Qu	T
Offset <u>13.60ft L4</u>					Upon Completion <u>Dry</u> ft				
Ground Surface Elev. <u>693.03</u> ft	(ft)	(6")	(tsf)	(%)	After <u>NA</u> Hrs.	(ft)	(6")	(tsf)	(%)

Asphalt shoulder.	692.23				Very stiff to Hard, damp, gray, CLAY TILL. (continued)	9	5.5	10
Aggregate and Clay mixture.					Extent of exploration.	672.03	12	B
Sand from 2.0' to 2.4' depth.								
Stiff, damp, dark gray, CLAY.	690.63				Benchmark: TBM PK Nail at Station 149+88.9 on centerline = 693.32', provided by Program Development.			
		5						
		6	1.2	24				
		8	PP					
		3						
		5						
No recovery this trip.		6						
		0						
		0	1.2	24				
		2	PP					
Very stiff to Hard, damp, gray, CLAY TILL.	683.59							
		4						
		7	1.6	14				
		10	B					
		6						
		10	3.9	11				
		14	B					
		5						
		11	3.9	11				
		14	B					
		6						
		12	5.7	10				
		14	B					
		6						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### SOIL BORING LOGS

SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY