

# BORING LOGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	195
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3-1)RS-1				



Illinois Department of Transportation  
Division of Highways  
IDOT

## SOIL BORING LOG

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ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, 0.2 m. E. of Seven Hills Road LOGGED BY C. Jenkins  
SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SE, SEC. 9, TWP. 24N, RNG. 4E  
COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO. Station <u>400+27.5</u>	D	B	U	M	Surface Water Elev. <u>None</u> ft	D	B	U	M
	E	L	C	O		E	L	C	O
BORING NO. <u>B-1c</u> Station <u>400+15</u> Offset <u>13.00ft Rt CL</u> Ground Surface Elev. <u>99.4</u> ft	P	O	S	I	Stream Bed Elev. <u>64.0</u> ft	P	O	S	I
	T	W	S	S		T	W	S	S
	H	S	Qu	T	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	H	S	Qu	T
	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)

MEDIUM tan SILTY LOAM with GRAVEL			0.7	13	STIFF gray/green SILTY CLAY				
			P					3	
								5	2.0
								8	B
	96.40					77.40			
MEDIUM tan weathered LIMESTONE		13			VERY STIFF gray/green CLAY LOAM				
		12						2	
	94.90	15				74.90		4	2.1
								5	S
VERY STIFF brown SILTY LOAM with GRAVEL & LIMESTONE fragments		16	2.1	13	STIFF gray SILT with ORGANICS				
		11						4	
	92.40	8	S			72.40		7	1.3
								7	S
SOFT tan SANDY LOAM with LIMESTONE fragments		3			STIFF green SILTY CLAY				
		3	0.4	12				4	
	89.90	3	P			69.90		4	1.2
								4	P
Same as above		5			MEDIUM gray SILT with ORGANICS				
		7	0.3	11				1	
	87.40	7	S			67.40		1	0.6
								1	P
SOFT tan/gray SILTY LOAM with LIMESTONE fragments		3			STIFF brown SILTY CLAY with 12% ORGANICS				
		2	0.3	16				3	
	84.90	3	S			64.90		5	1.2
								6	S
MEDIUM gray/green CLAY LOAM with GRAVEL		3			STIFF tan SILTY CLAY				
		4	0.9	24				2	
	81.90	5	S			61.90		3	1.1
								5	P
STIFF gray SILTY LOAM TILL		4			VERY STIFF brown SHALEY CLAY with LIMESTONE fragments				
		5	1.2	20				3	
	79.90	7	S			59.90		7	3.5
								11	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)



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	T	W	S	S		T	W	S	S
	H	S	Qu	T	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	H	S	Qu	T
	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)

VERY STIFF purple/brown SHALEY CLAY TILL with LIMESTONE fragments									
								7	
								12	3.1
	57.40					57.40		14	S
HARD green/blue SHALEY CLAY		6							
		11	5.1	19					
	54.90	17	S			54.90			
HARD green/blue/tan SHALEY CLAY with LIMESTONE fragments		8							
		14	5.9	19					
	52.40	24	S			52.40			
Same as above		12							
		16	4.3	18					
	49.90	34	S			49.90			
HARD tan/blue SHALEY CLAY		18							
		20	5.3	15					
	47.40	32	S			47.40			
VERY DENSE blue/green SHALE		38							
		46							
	44.90	54				44.90			
End of Boring								100/12"	
								PEN	

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BBS, from 137 (Rev. 8-99)

PLOT DATE = Fri Mar 23 06:26:34 2007  
FILE NAME = c:\p92\p92\p207480\074280log.dgn  
PLOT SCALE = 50.0000 / IN.  
USER NAME = hemsakb

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY

# BORING LOGS