

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
549	117 T	OGLE	86	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# SOIL BORRING LOGS



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation/D-2

## SOIL BORING LOG

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Date 5/10/05

ROUTE FAP 549 DESCRIPTION P92-117-05 IL 72 culvert, 500' W. of Main Street in Leaf River LOGGED BY W. Garza

SECTION 117 T LOCATION Leaf River Twp. - 36 NW, SEC., TWP. 25N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station 481+92	E	L	C	O	Stream Bed Elev.	95.00	E	L	C	O
BORING NO. B-1d	P	W	S	I	Groundwater Elev.:		P	W	S	I
Station 482+14	T	H	Qu	T	First Encounter	77.1	T	H	Qu	T
Offset 18.00ft Lt of CL					Upon Completion	76.4				
Ground Surface Elev. 99.10	ft	(ft)	(/6")	(tsf)	After		ft	(ft)	(/6")	(tsf)
					Hrs.					

MEDIUM brown SILTY CLAY LOAM			0.5	29.0	MEDIUM tan fine SAND, very moist (continued)	78.10	10		
			P				13		
MEDIUM dark brown LOAM	97.10		2		MEDIUM tan fine SAND		4		
							8		
	95.60		3	0.8		75.60	13		
			P						
STIFF gray/tan SILTY CLAY LOAM			1		MEDIUM tan fine SAND		6		
							12		
	93.10		3	1.2		73.10	14		
			B						
MEDIUM gray tan SILTY CLAY LOAM			1		VERY DENSE tan SAND & GRAVEL with LIMESTONE		19		
							30		
	90.10		2	0.5		70.60	38		
			B		End of Boring				
LOOSE light brown fine SAND, moist			1						
	88.10		2						
			4						
MEDIUM tan fine SAND			3						
	85.60		6						
			9						
DENSE tan SAND & GRAVEL, dry			6						
	83.10		9						
			24						
DENSE tan fine SAND with medium GRAVEL			17						
	80.60		24						
			22						
			6						

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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## SOIL BORING LOG

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Date 5/9/05

ROUTE FAP 549 DESCRIPTION P92-117-05 IL 72 culvert, .9 m. E. of Mt. Morris Blacktop LOGGED BY W. Garza

SECTION 117 T LOCATION Leaf River Twp. - 35 NE, SEC., TWP. 25N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	90.00	D	B	U	M
Station 445+15	E	L	C	O	Stream Bed Elev.		E	L	C	O
BORING NO. B-1e	P	W	S	I	Groundwater Elev.:		P	W	S	I
Station 445+37	T	H	Qu	T	First Encounter	82.5	T	H	Qu	T
Offset 32.00ft Lt of CL					Upon Completion	Wash				
Ground Surface Elev. 89.50	ft	(ft)	(/6")	(tsf)	After		ft	(ft)	(/6")	(tsf)
					Hrs.					

STIFF brown SANDY LOAM			1.8	17.0	MEDIUM olive green SAND & GRAVEL (continued)	68.50	8		
			P				11		
MEDIUM tan dirty SAND & GRAVEL	87.50		3						
			6						
	85.50		5			66.00			
DENSE yellow dirty SAND & GRAVEL with LIMESTONE			8		MEDIUM tanish green SAND & GRAVEL with SILT lens		8		
							9		
	83.50		10			63.50	13		
			26						
MEDIUM tan dirty SAND			5		Wash		12		
					VERY DENSE tan SAND & GRAVEL		18		
	81.00		6			61.00	44		
			5		End of Boring				
MEDIUM tan dirty SAND & GRAVEL			5						
	78.50		7						
			9						
MEDIUM tan dirty SAND & GRAVEL			5						
	76.00		7						
			8						
Wash			8						
MEDIUM tan SAND & GRAVEL									
	73.50		10						
			17						
5' Run									
	71.00								
			6						

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 = Fri, Dec 28 13:52:37 2007  
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