CONTRACT NO. 64D82

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	11T	CARROLL	79	51
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 3/2/01

ROUTE FA 642 DESCRIPTION P92-166-00 Culvert on IL 78, 2.6 miles north of Mt. Carroll LOGGED BY C. Jenkins

SECTION 11RS-3 LOCATION Woodland Twp. - NW, SEC. 24, TWP. 25N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. 2
Station 813+60

BORING NO. B-1b
Station 813+78
Offset 9.00ft Lt CL
Ground Surface Elev. 99.7 ft

Surface Water Elev. 90.6 ft
Stream Bed Elev. 89.1 ft

Groundwater Elev.:
First Encounter 87.2 ft ▼
Upon Completion 79.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphalt					
MEDIUM brown SILTY LOAM				0.6	19
				P	
	97.20				
VERY STIFF brown SILTY LOAM TILL			8		
			3	2.7	23
	95.70		3	B	
		-5			
MEDIUM brown SANDY LOAM TILL			2		
			2	0.8	18
	93.20		3	S	
STIFF brown SILTY LOAM			2		
			2	1.4	24
	90.70		5	B	
		-10			
STIFF brown SILTY CLAY			1		
			2	1.1	27
			5	B	
	87.70				
SOFT brown/yellow with LIMESTONE fragments			4		
			4	0.4	15
	85.70		3	P	
		-15			
DENSE tan/yellow weathered LIMESTONE			16		
			16		
	83.20		17		
Same as above			16		
			17		
			18		
	80.20				
		▽ -20			
VERY STIFF gray CLAY			12		
			11	3.7	26
			8	B	
	77.70				
MEDIUM tan/orange weathered LIMESTONE			3		
			4		
	75.70		14		
		-25			
MEDIUM dirty tan very weathered LIMESTONE			7		
			8		
	73.20		9		
Wash DENSE yellow/tan weathered LIMESTONE			17		
			14		
	70.70		18		
		-30			
VERY DENSE yellow/gray weathered LIMESTONE			20		
			100/10"		
	68.20		PEN		
End of Boring					
		-40			

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)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 3/2/01

ROUTE FA 642 DESCRIPTION P92-166-00 Culvert on IL 78, 2.6 miles north of Mt. Carroll LOGGED BY C. Jenkins

SECTION 11RS-3 LOCATION Woodland Twp. - NW, SEC. 24, TWP. 25N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. 2
Station 813+60

BORING NO. B-2b
Station 813+41
Offset 10.00ft Rt CL
Ground Surface Elev. 99.9 ft

Surface Water Elev. 90.6 ft
Stream Bed Elev. 89.1 ft

Groundwater Elev.:
First Encounter 84.9 ft ▼
Upon Completion 75.9 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphalt					
MEDIUM brown SILTY LOAM				0.7	22
				P	
	97.40				
MEDIUM brown/black SILTY LOAM			1		
			2	0.7	32
	95.90		3	B	
		-5			
STIFF brown SILTY LOAM			2		
			2	1.2	26
	93.40		4	B	
Same as above			2		
			5	1.4	25
	90.90		6	B	
		-10			
SOFT brown/gray SILTY LOAM			2		
			3	0.3	28
			3	B	
	87.90				
MEDIUM tan/brown medium grained SAND			2		
			3		
	85.90		7		
		▼ -15			
MEDIUM tan/gray weathered LIMESTONE			18		
			12		
	83.40		13		
Same as above			10		
			11		
	80.90		18		
		-20			
MEDIUM tan dirty weathered LIMESTONE			23		
			22		
			12		
	77.90				
VERY STIFF gray CLAY			4		
			6	3.1	27
	75.90	▽	10	B	
		-25			
Same as above			2		
			4	2.1	22
	73.40		5	B	
VERY STIFF gray CLAY			6		
			6	4.0	25
			8	S	
	70.40				
		-30			
VERY DENSE tan/yellow weathered LIMESTONE	68.90		12		
			100/6"		
			PEN		
End of Boring					
		-40			

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)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

BORING LOGS

PLOT DATE = Wed Oct 19 15:24:11 2007
FILE NAME = c:\pw_work\c282568\d282568l1cga.dgn
PLOT SCALE = 2848.0041 in / IN.
USER NAME = cushmanbx