CONTRACT NO. 64D82

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	11T	CARROLL	79	53
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 3901

ROUTE FA 642 DESCRIPTION P92-166-00 Culvert on IL 78, 0.4 mile north of North Old Galena Trail Road LOGGED BY C. Jenkins

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

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. 4
Station 801+46

BORING NO. B-1d
Station 801+26
Offset 8.00ft Rt CL
Ground Surface Elev. 100.6 ft

Surface Water Elev. 91.4 ft
Stream Bed Elev. 90.5 ft

Groundwater Elev.:
First Encounter 80.6 ft ▼
Upon Completion 80.6 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt					
Concrete					
MEDIUM brown SILTY LOAM with GRAVEL				0.5 P	28
	98.10				
SOFT brown SILTY LOAM			7 3 1	0.4 P	29
	96.60				
		-5			
MEDIUM black SILTY LOAM			2 3 4	0.9 P	36
	94.10				
STIFF brown SILTY LOAM			2 3 6	1.1 B	25
	91.60				
		-10			
MEDIUM tan SILTY LOAM with LIMESTONE fragments			2 4 6	0.5 P	25
	89.10				
SOFT brown SILTY LOAM with LIMESTONE fragments			5 9 9	0.4 P	16
	86.10				
		-15			
VERY DENSE tan/gray weathered LIMESTONE with CHERT			16 24 64		
	84.10				
VERY DENSE tan/gray weathered LIMESTONE with CHERT			100/11" PEN		
	81.60				
		▼ -20			
VERY DENSE Same as above			54 100/11" PEN		
	79.10				
End of Boring					
		-25			
		-30			
		-35			
		-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 3901

ROUTE FA 642 DESCRIPTION P92-166-00 Culvert on IL 78, 0.4 mile north of North Old Galena Trail Road LOGGED BY C. Jenkins

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

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. 4
Station 801+46

BORING NO. B-2d
Station 801+65
Offset 6.50ft Lt CL
Ground Surface Elev. 99.3 ft

Surface Water Elev. 91.4 ft
Stream Bed Elev. 90.5 ft

Groundwater Elev.:
First Encounter 84.3 ft ▼
Upon Completion 80.3 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt					
Concrete					
MEDIUM brown SILTY LOAM with GRAVEL				0.5 P	19
	96.80				
VERY SOFT brown SANDY LOAM with GRAVEL			4 2 3	0.2 P	
	95.30				
		-5			
MEDIUM black SILTY LOAM			1 1 3	0.6 P	34
	92.80				
STIFF black SILTY CLAY			1 3 4	1.4 B	25
	90.30				
		-10			
MEDIUM brown SANDY LOAM with GRAVEL			5 5 5	0.5 S	24
	87.30				
MEDIUM tan/gray weathered LIMESTONE with CHERT			12 15 15		
	85.30				
		▼ -15			
DENSE tan/gray weathered LIMESTONE with CHERT			12 24 21		
	82.80				
VERY DENSE tan weathered LIMESTONE with CHERT			50 100/12" PEN		
	80.30 ▽				
		-20			
VERY DENSE tan weathered LIMESTONE			100/6" PEN		
	78.70				
End of Boring					
		-25			
		-30			
		-35			
		-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 18 15:24:12 2007
FILE NAME = a:\pr-0.dgn\p2896B8\c896B8logs.dgn
PLOT SCALE = 2848.0841 in. / IN.
USER NAME = cushmonbw