ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 731	*	GREENE	30	23
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
FEDERAL AID PROJECT				

* 01-00071-00-BR

CONTRACT NO. 97289 Sheet No. 19 of 23 Sheets

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 4/13/04

ROUTE FAS 731 DESCRIPTION CH 2 over Apple Creek LOGGED BY Mark Schreader

SECTION 01-00071-00-BR LOCATION W 1/2, SEC. 15, TWP. 12N, RNG. 10W, 3 PM

COUNTY Greene DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 031-3002
Station
BORING NO. SB 1 Pier 2
Station 4+94
Offset 22.00ft Left
Ground Surface Elev. 87.94 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 80.9 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Brown Silty CLAY
	2			
	3	1.4	26	
	3	S/20		
-5	1			
	2	1.2	26	
	3	S/20		
80.9 ▼				
	0			
	0	0.2	27	Brown Silty LOAM
	0	B		
-10	0			
	0	0.2	26	
	0	B		
	0			
	0	0.2	26	
	0	B		
-15	1			
	2	0.8	23	
	1	S/20		
	0			
	0	0.4	24	
	0	S/20		
69.4				Brown Loamy SAND
-20	0			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	0		23	Brown Loamy SAND *(continued)*
	3	NC		See Gradation @ 20 ft
85.9				
	1	1.0	24	Gray Sandy LOAM
	1	S/20		See Gradation @ 22.5 ft
83.4				
-25	2			
	4		23	Gray Loamy SAND
	5	NC		See Gradation @ 25 ft
80.9				
	6			Gray Silty Clay LOAM
	10	4.5	22	
	13	S/20		
-30	4			
	6	4.1	18	
	7	S/20		
	6			
-35	11	4.0	21	
	15	S/20		
-40	11			

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
Illinois Department of Transportation

SOIL BORING LOG

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Date 4/13/04

ROUTE FAS 731 DESCRIPTION CH 2 over Apple Creek LOGGED BY Mark Schreader

SECTION 01-00071-00-BR LOCATION W 1/2, SEC. 15, TWP. 12N, RNG. 10W, 3 PM

COUNTY Greene DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 031-3002
Station
BORING NO. SB 1 Pier 2
Station 4+94
Offset 22.00ft Left
Ground Surface Elev. 87.94 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 80.9 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	25	4.5	14	Gray Silty Clay LOAM *(continued)*
	43	S/10		
43.4				
-45	20			
	48	2.9	11	Gray SHALE
	50/3"	S/5		
	33			
-55	50/3"	S.S	12	
		S/6		
	50/5"			
-65		2.7	12	
		S/5		
-75				
-85				
	50/5"			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	-	2.1	14	Gray SHALE *(continued)*
	-	S/5		
-45	50/4"			
	-	2.7	12	
	-	S/5		
19.4				
				Borehole continued with rock coring.
-70				
-75				
-80				
-85				
-90				

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
Illinois Department of Transportation

ROCK CORE LOG

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Date 4/13/04

ROUTE FAS 731 DESCRIPTION CH 2 over Apple Creek LOGGED BY Mark Schreader

SECTION 01-00071-00-BR LOCATION W 1/2, SEC. 15, TWP. 12N, RNG. 10W, 3 PM

COUNTY Greene CORING METHOD

STRUCT. NO. 031-3002
Station
BORING NO. SB 1 Pier 2
Station 4+94
Offset 22.00ft Left
Ground Surface Elev. 87.94 ft

CORING BARREL TYPE & SIZE NX
Core Diameter 2 in
Top of Rock Elev. 19.44 ft
Begin Core Elev. 19.44 ft

DEPTH (ft)	CORE (ft)	REC. RUN (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)	Material
19.44						Gray LIMESTONE
	1	98	84	8		
-10	1	98	84	5	1557.79	
	1	98	84	4		
	1	98	84	2		
	1	98	84	2		
	1	98	84	9		
-15	1	98	84	8		
	1	98	84	3		
	1	98	84	2	1696.87	
	1	98	84	3		
9.44						End of Boring and Rock Core
-30						
-35						

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

STA. 0+00 (BORINGS) = STA. 473+01.25 (PLANS)

BORINGS
F.A.S. 731 - C.H. 2
OVER APPLE CREEK
SECTION 01-00071-00-BR
GREENE COUNTY

FILE NAME: STRUCTURE PLANS (REV. 10/15/99)