ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 754	4RS-2, 4BR	CALHOUN	87	52
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 18
20 SHEETS

CONTRACT NO. 76269

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 5/2/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2,4BR LOCATION , SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO. 007-0015
Station
BORING NO. #4SPier
Station 5+89
Offset 10.00ft Lt
Ground Surface Elev. 434.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 408.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Brown Silty Clay LOAM w/gravel
	3			
	7	.7		
	4	S/10	24	
-5	3			
	2	.4		
	3	S/10	22	
427.7				
	2			Brown and Gray Silt LOAM
	3	.9		
	3	S/15	25	
-10	1			
	2	.6		
	4	S/15	25	
422.7				
	2			Gray Silty Clay LOAM
	4	2.3		
	5	S/15	23	
-15	2			
	3	1.7		
	5	S/15	.21	
	2			
	3	1.4		
	5	S/15	25	
-20				
				Gray Silty Clay LOAM (continued)
	2	1.2		
	4	S/15	29	
	5			
	2			
	3	1.3		
	3	S/15	20	
-25	3			
	7	1.1		
408.2 ▼	14	S/15	20	
	4			Brown Silty SAND
	9	NC		
	12			See gradation #4SPier, 28
-30	9			
	12	NC		
	14			
402.2				
	7			Brown Fine to Coarse SAND
	11	NC		
-35	14			See Gradation #4SPier, 35.5
-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 — SOIL BORING LOG

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Illinois Department of Transportation

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Date 5/22/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2,4BR LOCATION , SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO. 007-0015
Station
BORING NO. #2NABUT
Station 6+61
Offset 10.50ft Lt
Ground Surface Elev. 434.1 ft

Surface Water Elev. 422.4 ft
Stream Bed Elev. 422.2 ft
Groundwater Elev.:
First Encounter 416.1 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Petroleum product contamination detected in soil through 21ft.
				Gray Silty CLAY
	4			
	3	1.3		
	2	S/15	33	PID:5
-5	2			
	3	1.2		
	3	B	29	PID:16
	4			
	4	1.5		
	5	S/15	25	PID:24
424.6				
-10	2			
	3	.9		
	3	S/10	25	PID:16
	1			Gray Silty Clay LOAM
	2	.6		
	2	S/15	30	PID:145
-15	1			
	1	.5		
	2	B	31	PID:60
	1			PID:108
415.1 ▼	2	.6	30	PID:1
415.6		S/10		Brown Loamy SAND
		NC	25	
-20				Brown and Gray Silty Clay LOAM
				Brown and Gray Silty Clay LOAM (continued)
	2	.6		
	2	B	32	
	3			PID:0.5
	3			
	4	.5		
	2	S/20	22	
410.1				
-25	3			
	3	.5		Brown and Gray LOAM
	3	S/15	27	
406.6	2			
	4			
	7	NC		
				Brown Fine SAND
-30	1			
	1			See gradation #2NABUT, 30.5
	1	NC		
399.1	35			
-35	50/7"	NC		Broken Weathered LIMESTONE
	—			2.5 minutes
				2.5 minutes
				3 minutes
				3.5 minutes
				5 minutes
-40				

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STRUCT. NO. 007-0015
Station
BORING NO. #4SPier
Station 5+89
Offset 10.00ft Lt
Ground Surface Elev. 434.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 408.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
	3		NR	Brown Fine to Coarse SAND (continued)
	6			
	11			
-45	35			
	50/6"			
388.2				
				Borehole continued with rock coring.
-50				
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Stream Bed Elev. 422.2 ft
Groundwater Elev.:
First Encounter 416.1 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				3 minutes
				3 minutes
				3.5 minutes
				3.5 minutes
				(Tricone Roller Bit) 389.6
				End of Boring
-45				
-50				
-55				
-60				

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ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAS ROUTE 754
SECTION 4RS-2,4BR
CALHOUN COUNTY