ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	51
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 17
20 SHEETS

CONTRACT NO. 76269

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 2

Date 5/19/00

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. #1SABUT
Station 5+57
Offset 11.00ft Rt
Ground Surface Elev. 434.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 417.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty Clay LOAM			
	2		
	4	1.2	
	4	S/15	19
-5	2		
	3	1.1	
	4	S/15	23
	5		
	6	1.5	
	3	S/15	19
425.0			
-10	0		
Gray Silt LOAM	2	.5	
	2	S/15	27
422.5			
Brown and Gray Silty Clay LOAM	1		
	2	.3	
	6	B	30
-15	1		
	1	.8	
	2	B	30
	6		
	7	.9	21
	6	S/15	25
-20			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty Clay LOAM (continued)			
	2	1.1	
	5	S/15	25
	5		
	1		
	2	1.0	
	3	B	26
-25	2		
	2	.9	
	3	S/15	
407.0			
	1		
Brown SAND	2	NC	
See gradation #1SABUT, 28	2		39
405.0			
-30	3		
Brown SILT w/Limestone GRAVEL	6	NC	
	9		
402.0			
-35	5		
Brown Fine SAND	6	NC	
	10		
-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)

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 2

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 (%)
Petroleum product contamination detected in soil through 21ft.			
Gray Silty CLAY	4		
	3	1.3	
PID:5	2	S/15	33
-5	2		
	3	1.2	
PID:16	3	B	29
	4		
	4	1.5	
PID:24	5	S/15	25
424.6			
-10	2		
	3	.9	
PID:16	3	S/10	25
Gray Silty Clay LOAM	1		
	2	.6	
PID:145	2	S/15	30
-15	1		
	1	.5	
PID:60	2	B	31
PID:108	1		
PID:1 416.1	2	.6	30
Brown Loamy SAND 415.6		S/10	
		NC	25
Brown and Gray Silty Clay LOAM			
-20			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty Clay LOAM (continued) PID:0.5	2	.6	
	2	B	32
	3		
	3		
	4	.5	
	2	S/20	22
410.1			
-25	3		
Brown and Gray LOAM	3	.5	
	3	S/15	27
408.6			
	2		
	4		
	7	NC	
Brown Fine SAND			
-30	1		
	1		
See gradation #2NABUT, 30.5	1	NC	
399.1 -35	35		
Broken Weathered LIMESTONE	50/7"	NC	
2.5 minutes	—		
2.5 minutes			
3 minutes			
3.5 minutes			
5 minutes -40			

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SOIL BORING LOG

Illinois Department of Transportation
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Illinois Department of Transportation

Page 1 of 2

Date 5/23/00

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. #3NPier
Station 6+35
Offset 12.50ft Rt
Ground Surface Elev. 434.6 ft

Surface Water Elev. 422.4 ft
Stream Bed Elev. 422.2 ft
Groundwater Elev.:
First Encounter 420.1 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Petroleum product contamintation detected in soil through 25 ft.			
	3		
	2	1.3	
PID:40	3	S/15	28
Gray Silty CLAY			
-5	2		
	3	1.0	
PID:80	3	S/10	41
	2		
	3	.9	
PID: 200 426.1	4	S/15	37
Gray Silty Clay LOAM			
-10	5		
	3	.6	
PID:170	4	S/10	24
	2		
	1	.7	
PID:120	2	S/20	29
-15	3		
	4	.6	
PID:120	3	B	29
	1		
	2	.6	
PID:70	2	B	30
-20			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Silty Clay LOAM (continued) PID:20	0	.5	
	1	B	30
413.1	2		
Gray LOAM	1		
	2	.6	
PID:17	5	S/20	30
410.6			
Gray Loamy SAND	2		
-25			
PID:3 409.1	8	NC	27
PID:7	15	NC	12
Brown Sandy GRAVEL 408.1			
	8		
	9	NC	
Brown Fine SAND	10		
-30	4		
	7	NC	
See gradation #3NPier, 30.5	12		
402.6			
Brown Fine to Medium SAND w/Gravel			
-35	5		
	6	NC	
See gradation #3NPier, 35.5	7		
395.6			
Gray Weathered Limestone GRAVEL -40			

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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 2 of 2

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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. #1SABUT
Station 5+57
Offset 11.00ft Rt
Ground Surface Elev. 434.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 417.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Fine SAND (continued)	8	NC	
	8		
	12		
-45	8		
	10	NC	
See gradation #1SABUT, 45.5	14		21
387.0			
Gray CLAY w/Limestone GRAVEL			
-50	9		
	12	2.1	
	22	B	
380.5			
Broken Weathered LIMESTONE, Drilled 379.5			
Borehole continued with rock coring.			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 2 of 2

Date 5/22/00

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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 (%)
3 minutes			
3 minutes			
3.5 minutes			
3.5 minutes			
(Tricone Roller Bit) 389.6			
End of Boring -45			
-50			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Page 2 of 2

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COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO. 007-0015
Station
BORING NO. #3NPier
Station 6+35
Offset 12.50ft Rt
Ground Surface Elev. 434.6 ft

Surface Water Elev. 422.4 ft
Stream Bed Elev. 422.2 ft
Groundwater Elev.:
First Encounter 420.1 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Weathered Limestone GRAVEL (continued) 393.6	50/4"		
Borehole continued with rock coring.			
-45			
-50			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

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