FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
754	4RS-2,4BR	CALHOUN	87	55
STA.		TO STA.		
EXISTING CONDITIONS:				

SHEET 17 OF 18

Illinois Department of Transportation — SOIL BORING LOG

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

Description	Elev.	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		
			8	1.5	
	425.0		3	S/15	19
Gray Silt LOAM		-10	0		
			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			
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				
Brown Fine SAND		-35	5		
			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)

Illinois Department of Transportation — SOIL BORING LOG

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

Description	Elev.	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	
					25
				NC	
Brown and Gray Silty Clay LOAM		-20			
Brown and Gray Silty Clay LOAM (continued)			2	.6	
PID:0.5			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
	406.6				
			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			

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 LOG

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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

Description	Elev.	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			
Gray Silty Clay LOAM (continued)			0	.5	
PID:20			1	B	30
	413.1		2		
Gray LOAM			1		
			2	.6	
PID:17			5	S/20	30
	410.6				
Gray Loamy SAND		-25	2		
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			

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 LOG

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Page 2 of 2

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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

Description	Elev.	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.		-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 LOG

Division of Highways
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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. #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

Description	Elev.	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			

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Illinois Department of Transportation — SOIL BORING LOG

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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

Description	Elev.	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