STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1842	106BR	ST. CLAIR	61	42
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 21
22 SHEETS

Contract No. 76129

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 3/3/75

ROUTE FAS 1842 DESCRIPTION IL 156 over Richland Creek LOGGED BY Larry Ford

SECTION 106BR LOCATION , SEC., TWP. 2S, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. ex. 082-0089
Station 669+65.50

BORING NO. #7 W. Abut
Station 668+69.08
Offset 10.00ft Rt
Ground Surface Elev. 418.6 ft

Surface Water Elev. 419.3 ft
Stream Bed Elev. 402.9 ft

Groundwater Elev.:
First Encountered ft
Upon Completion 387.8 ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Clayey SILT			
	15	1.04 S	21
-5	14	0.72 B	25
411.6			
Gray Clayey SILT	11	0.81 B	23
-10	6	0.65 B	20
	4	0.43 B	29
404.1			
Gray CLAY	4	0.39 B	34
	5	0.49 B	32
399.1			
Tan and Brown CLAY -20			
Tan and Brown CLAY (continued)	8	0.82 S	38
	9	0.97 S	42
-25	11	1.96 S	29
391.6			
Gray Sandy Silty CLAY (with Gravel)	11	1.50 S	19
-30	9	0.59 S	41
	5	0.33 S	33
383.6 -35			
Gray Coarse SAND	9	NC	
	25	NC	
-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)

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SOIL BORING LOG

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Date 3/3/75

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Groundwater Elev.:
First Encountered ft
Upon Completion 387.8 ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Coarse SAND (continued)	35	NC	
376.6			
Broken Sand and LIMESTONE	50		
-45	100+		
373.1			
Hard Gray Green Fossiferous (Crinoidal) LIMESTONE			
(Cored - Recovery = 100%)			
368.6 -50			
End of Boring			
-55			
-60			

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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 7/1102

ROUTE FAS 1842 DESCRIPTION IL 156 over Richland Creek LOGGED BY Larry Ford

SECTION 106BR LOCATION , SEC., TWP. 2S, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. ex. 082-0089
Station 669+65.50

BORING NO. #8
Station 669+15
Offset 26.50ft Lt
Ground Surface Elev. 410.1 ft

Surface Water Elev. 407.7 ft
Stream Bed Elev. 393.1 ft

Groundwater Elev.:
First Encountered ft
Upon Completion 400.6 ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty Clay LOAM	2		
	2	0.9	
	2	S/10	17
405.1 -5	3		
Concrete Rubble 404.6	43	1.2	
	14	S/10	22
Gray Silty CLAY	0		
	1	0.4	
	3	S/5	34
-10	2		
	4	1.3	
	6	S/10	31
	2		
	4	1.6	
	7	S/5	39
-15	3		
	3	1.9	
	5	S/5	40
	3		
	3	1.6	
391.1	6	S/5	34
Brown Clay LOAM -20	2		
Brown Clay LOAM (continued) 389.6	3	1.0	21
	5	S/5	30
Gray CLAY with Sand Lenses	1	0.6 S/5	
387.1	1	1.0	42
	2	S/5	33
Gray Sandy CLAY	2	NC	
-25	2		
383.6	4	0.6	
	5	S/5	30
Gray SAND with Clay Lenses	2		
382.1	4		23
	3	NC	21
Gray Silty CLAY		0.7 S/10	
-30	4		
378.1	6	1.0	
	8	S/10	23
Gray SAND with Clay Lenses See Gradation @ 35.5 ft			
-35	0		
	0		
370.6	2	NC	18
-40	12		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Stream Bed Elev. 393.1 ft

Groundwater Elev.:
First Encountered ft
Upon Completion 400.6 ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray SHALE with Embedded Limestone Gravel (continued) 389.1	60/2"	GR	10
Borehole continued with rock coring.			
-45			
-50			
-55			
-60			

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BORING LOGS
F.A.S. ROUTE 1842 - SECTION 106BR
ST. CLAIR COUNTY
STATION 669+65.50
STRUCTURE NO. 082-0387

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