STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1842	106BR	ST. CLAIR	61	41
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 20
22 SHEETS

Contract No. 76129

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 3/3/75

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

SECTION 106BR LOCATION , SEC., TWP., RNG., PM

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

STRUCT. NO. ex.082-0089
Station
BORING NO. #3 Exist. Pier1
Station 669+32
Offset 6.00ft Lt
Ground Surface Elev. 418.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountar ft
Upon Completion 399.6 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			—
	2		
397.1			
	1	<0.1	49
		B	
-5			
-25			
		<0.1	32
	3	B	
	1	—	37
-10			
-30			
	3	0.1	29
386.1			
	100+	—	—
-15			
-35			
383.6			
379.1			
-20			
-40			

Bridge Deck Elevation
Cased Augers
Ground Surface 401.6
Brown SILT
damp, very soft
Brown SILT (continued)
wet, very soft
Dark Gray Silty CLAY
wet, very soft
wet, very soft
wet, very soft
wet, very soft
Tan Sandy Broken LIMESTONE (drilled)
dry, hard
GrayGreen LIMESTONE (drilled)
End of Boring

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

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

SECTION 106BR LOCATION , SEC., TWP., RNG., PM

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

STRUCT. NO. ex.082-0089
Station
BORING NO. #4
Station 670+43
Offset 16.00ft Rt
Ground Surface Elev. 410.6 ft

Surface Water Elev. 419.3 ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountar ft
Upon Completion 404.6 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			NC
	7		—
388.6			
	100+	—	—
-25			
385.6	100+	—	—
-30			
-35			
-40			

Brown & Gray SILT
damp, medium
wet, soft
wet, medium
Gray Silty CLAY
wet, soft
wet, soft
Gray & Brown Silty CLAY
wet, medium
wet, very loose
Gray Organic Medium SAND
Gray Organic Medium SAND (continued)
wet, loose
dry, hard
Gray Green LIMESTONE
dry, hard
End of Boring

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	13	1.0	22
		S	
-5			
	2	0.3	31
		B	
	4	0.6	30
		B	
401.1			
-10			
	3	0.5	29
		B	
399.6			
	3	0.5	30
		B	
-15			
	3	0.6	28
		B	
393.6			
	3	NC	—
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAS 1842 DESCRIPTION IL 156 o'Richland Creek LOGGED BY Larry Ford

SECTION 106BR LOCATION , SEC., TWP., RNG., PM

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

STRUCT. NO. ex.082-0089
Station
BORING NO. #5 Exist. Pier2
Station 669+88
Offset 5.50ft Lt
Ground Surface Elev. 418.4 ft

Surface Water Elev. 419.3 ft
Stream Bed Elev. 402.9 ft
Groundwater Elev.:
First Encountar ft
Upon Completion 394.4 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	3	0.5	28
		S	
	4	0.3	27
		S	
394.4			
-25			
	6	NC	—
	5	NC	—
388.4			
-30	100+	NC	—
-35			
382.4			
-40			

Bridge Deck Elevation
Cased Augers
Ground Surface 402.9
Gray SILT (organics)
damp, soft
Gray SILT (organics) (continued)
damp, soft
damp, soft
Gray SAND & GRAVEL
wet, loose
wet, loose
dry, hard
GrayGreen LIMESTONE (hard)
(drilled)
End of Boring

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	3	0.5	29
		S	
-10			
-15			
-20			

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

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. #6 E. Abut
Station 671+00
Offset 11.50ft Rt
Ground Surface Elev. 418.4 ft

Surface Water Elev. 419.3 ft
Stream Bed Elev. 402.9 ft
Groundwater Elev.:
First Encountar ft
Upon Completion 394.2 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	11	0.26	18
		S	
-5			
	8	0.29	20
		S	
	11	0.16	22
		S	
408.9			
-10			
	11	0.16	20
		B	
406.4			
	4	0.14	30
		B	
-15			
	4	0.20	25
		B	
	6	0.36	26
		B	
398.9			
-20			

Brown SILT
Gray and Brown Clayey SILT (with Rock Fragements)
Gray Clayey SILT
Brown and Gray Sandy Silty CLAY
Brown Medium SAND
(Fragments of Brown Sandstone and Green Crinoidal Limestone)
Gray and Brown Clayey SILT (with Rock Fragements)
Gray Green Fossiliferous (Crinoidal) LIMESTONE
(Upper 4 ft Thinly Bedded)
(Cored – Recovery = 100%)
End of Boring

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	7	0.81	31
		B	
	10	0.85	18
		B	
393.9			
-25			
	32		NC
	100+		NC
-30			
387.4	100+		NC
-35			
382.4			
-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)

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