STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 2

Date 8/31/76

ROUTE FAU 8956 DESCRIPTION IL 3 over Piasa Creek LOGGED BY

SECTION 59BR-1 LOCATION SW 1/4, NW 1/4, SEC. 19, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0153 (E) / 060-0343 (P)
Station 638+00

BORING NO. 1 Pier 1
Station 637+60
Offset 18.00ft RT
Ground Surface Elev. 429.5 ft

Surface Water Elev. 412.0 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 418.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray SILT	425.0	-5	2	0.6 S	22
Brown and Gray Sandy SILT	422.5		3	0.5 S	20
Brown and Gray Silty CLAY	420.0	-10	2	0.5 B	32
Gray Sandy Silty CLAY	418.0 ▼		1	0.4 S	22
Gray Medium SAND	412.5	-15	5	NC	
Gray Fine SAND with some Gravel		-20	4	NC	
			1	NC	
Gray Fine SAND with some Gravel *(continued)*	407.5		2	NC	
Gray CLAY	405.0	-25	3	0.3 B	46
Gray Sandy CLAY	402.5		9	0.3 S	25
Gray Silty CLAY	400.0	-30	8	1.3 B	26
Gray Medium SAND	396.5	-35	11	NC	
Brown and Gray CLAY	392.5		14	2.3 B	24
Brown and Gray Silty CLAY	390.0	-40	7	1.6 B	29
Red Brown Clayey SAND			8	1.0 B	31

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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ROUTE FAU 8956 DESCRIPTION IL 3 over Piasa Creek LOGGED BY

SECTION 59BR-1 LOCATION SW 1/4, NW 1/4, SEC. 19, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0153 (E) / 060-0343 (P)
Station 638+00

BORING NO. 1 Pier 1
Station 637+60
Offset 18.00ft RT
Ground Surface Elev. 429.5 ft

Surface Water Elev. 412.0 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 418.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Red Brown Clayey SAND *(continued)*	387.5		4	NC	
Brown and Gray Silty CLAY	385.0	-45	7	1.3 B	25
Red Brown and Gray CLAY	382.5		10	2.3 B	25
Red Brown and Gray Sandy Clay TILL	380.5	-50	25	1.0 B	22
Brown and Gray Medium to Coarse SAND with Gravel			12	NC	
		-55	35	NC	
			50	NC	
		-60	30	NC	
Brown and Gray Medium to Coarse SAND with Gravel *(continued)*	365.0	-65	27	NC	
			70	NC	
Gray SHALE with some Limestone	363.0		51		10
REFUSAL - END OF BORING		-70			
		-75			
		-80			

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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Date 9/1/76

ROUTE FAU 8956 DESCRIPTION IL 3 over Piasa Creek LOGGED BY

SECTION 59BR-1 LOCATION SW 1/4, NW 1/4, SEC. 19, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD HAMMER TYPE

STRUCT. NO. 060-0153 (E) / 060-0343 (P)
Station 638+00

BORING NO. 2 E. Appr. Bent
Station 639+50
Offset 6.00ft LT
Ground Surface Elev. 444.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 420.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray SILT		-5	8	1.9 S	21
			7	1.6 S	17
		-10	6	1.0 S	17
			4	0.6 S	21
		-15	4	0.7 S	20
			4	0.7 S	26
		-20	4	0.7 B	30
Brown and Gray SILT *(continued)*			3	0.7 B	29
	420.4 ▼	-25	5	0.7 B	26
Brown and Gray Medium SAND	417.9		11	NC	
Gray CLAY	416.9		3	0.5 B	34
Brown and Gray Medium SAND		-30		NC	
			12	NC	
	410.4		5	NC	
Gray Sand CLAY	407.9	-35	4	1.0 S	31
Brown and Gray Medium SAND	405.4		14	NC	
Red Brown and Gray CLAY		-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
ILLINOIS ROUTE 3 OVER
PIASA CREEK
F.A.U. ROUTE 8956 SEC 59BR-1
MADISON COUNTY
STATION 638+11.00
STRUCTURE NO. 060-0343

DESIGNED	DB
CHECKED	RS
DRAWN	ER
CHECKED	WWH

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Registered Professional Service Corporation License No.184-005389

SHEET NO. 26	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
28 SHEETS	8956	59BR-1	MADISON	75	55
	STRUCTURE NO. 060-0343		CONTRACT NO. 76B18		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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