STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Red Brown and Gray CLAY *(continued)*			
	12	2.3 B	31
	8	2.0 B	30
-45			
	8	1.6 B	29
	8	1.6 B	33
-50			
	6	1.6 B	32
392.9			
Brown Sandy Silty CLAY			
	20	1.6 S	24
-55			
	12	1.2 S	25
385.4			
Brown and Gray Coarse SAND with Gravel			
-60			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Coarse SAND with Gravel *(continued)*			
	31	NC	
-65			
	42	NC	
	45	NC	
-70			
	35	NC	
	26	NC	
-75			
	35	NC	
	30	NC	
368.4			
END OF BORING			
-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)

Illinois Department of Transportation
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SOIL BORING LOG

Page 1 of 2

Date 9/2/76

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. 3 W. Appr. Bent
Station 636+50
Offset 6.00ft RT
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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty CLAY			
	7	1.3 B	20
-5			
	5	1.3 B	19
	7	1.2 B	20
434.9			
Brown and Gray Sandy SILT			
-10			
	8	0.8 S	15
432.4			
Gray SILT			
	8	0.8 S	15
-15			
	9	0.6 S	20
	9	0.6 S	23
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray SILT *(continued)*			
	5	0.7 B	26
	5	0.6 S	27
420.4			
Brown Medium SAND with some Gravel			
-25			
	4	NC	
-30			
	2	NC	
	3	NC	
	4	NC	
-35			
	5	NC	
407.4			
Brown and Gray Coarse SAND with some Gravel			
	7	NC	
404.9			
Brown and Gray Coarse SAND			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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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. 3 W. Appr. Bent
Station 636+50
Offset 6.00ft RT
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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Coarse SAND *(continued)* with Gravel and Clay Streaks			
	12	NC	
	8	NC	
-45			
	4	NC	
397.4			
Red Brown and Gray Clay TILL			
	10	1.6 B	26
-50			
	9	1.6 B	25
	5	.6 B	29
-55			
	9	1.5 B	30
	7	1.8 B	25
-60			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Red Brown and Gray Clay TILL *(continued)*			
	6	1.3 B	32
	7	1.4 B	27
-65			
	14	0.8 S	30
377.4			
Brown and Gray Coarse SAND with Gravel			
	54	NC	
-70			
	63	NC	
	55	NC	
369.4 -75			
Large CHERT Cobbles with Gravel	70	NC	
366.9	50	NC	
Brown and Gray Broken LIMESTONE			
364.9	100		
REFUSAL - END OF BORING -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)

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

Juneau Associates, Inc. P.C.
CONSULTING ENGINEERS AND LAND SURVEYORS
2100 State Street, Granite City, Illinois 62040, Phone:(618)877-1400, Fax:(618)452-5541
100 North Research Drive, Edwardsville, Illinois 62025, Phone: (618)659-0005(618) 656-0100, Fax: (618)659-5941
Registered Professional Service Corporation License No. 184-003599

SHEET NO. 27	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
28 SHEETS	8956	59BR-1	MADISON	75	56
	STRUCTURE NO. 060-0343		CONTRACT NO. 76B18		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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