FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	42-1-1B	JERSEY	481	217
STA.	TO STA.			
EXISTING CONDITIONS:				

Sheet 33 of 35 Sheets

CONTRACT NO. 76318

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

Page 1 of 2

Date 1/29/71

ROUTE FAP 310 DESCRIPTION US 67 over Piasa Creek LOGGED BY C. Hoffman

SECTION 42-1-1B LOCATION , SEC. 30, TWP. 7N, RNG. 10W, 3 PM

COUNTY Jersey DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 042-0002 (EXISTING)
Station 318+49.66

BORING NO. 5
Station 317+27
Offset 13.60ft Rt
Ground Surface Elev. 475.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 453.6 ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY (with small pebbles and rock fragments)			
	6	0.5 B	14
-5			
	16	2.4 B	17
	15	2.3 E	10
-10			
	13	0.6 B	14
490.1			
Dark Gray SANDY SILT	24	2.3 E	11
	5	0.6 B	22
-20			
Dark Gray SANDY SILT (continued)			
453.6 ▽			
	14	0.8 S	18
Dark Gray CLAYEY SILT			
	11	0.9 S	29
-25			
	6	1.0 B	30
448.6			
Dark Gray CLAYEY slightly SANDY SILT			
	6	1.0 B	30
-30			
	4	0.7 B	32
443.6			
Gray fine SAND			
440.6	20	N.C.	
-35			
Brown and Tan LIMESTONE			
437.6			
Gray hard SHALE			
435.6 -40			

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

Page 2 of 2

Date 1/29/71

ROUTE FAP 310 DESCRIPTION US 67 over Piasa Creek LOGGED BY C. Hoffman

SECTION 42-1-1B LOCATION , SEC. 30, TWP. 7N, RNG. 10W, 3 PM

COUNTY Jersey DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 042-0002 (EXISTING)
Station 318+48.66

BORING NO. 5
Station 317+27
Offset 13.60ft Rt
Ground Surface Elev. 475.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 453.6 ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
END OF BORING			
-45			
-50			
-55			
-60			

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

Page 1 of 1

Date 1/10/02

ROUTE FAP 310 DESCRIPTION FAP 310 over Piasa Creek LOGGED BY M. Tappan

SECTION 42-1-1B LOCATION SE 1/4, SEC. 30, TWP. T7N, RNG. R10W, 3 PM

COUNTY Jersey DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. _____
Station _____

BORING NO. PC-B1
Station 317+36
Offset 25.00ft LT
Ground Surface Elev. 463.6 ft

Surface Water Elev. 452.6 ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 451.6 ft
Upon Completion _____ ft
After 24 Hrs. 453.6 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brownish Grey & Moist LOAM			
	1		
-5	1 3	0.2 B	16
458.1			
Brown Moist Med. SAND	1		
	2		
456.1	2		
Brown Wet Med. SAND			
	0		
▽	1		
-10	2		
	0		
	1		
448.6 -15	1		
Brown Wet Med. to Coarse SAND, washed			
	0		
	1		
446.1	1		
Gray Dirty Med. Sandy GRAVEL, washed			
	0		
	1		
443.6 -20	2		
Gray Clean Med. SAND, washed			
	2		
	5		
441.1	7		
Gray Coarse Sandy GRAVEL, washed			
	3		
	10		
-25	TI		
438.1			
Blue Gray Moist Shaely Residuum w/Med. Limestone GRAVEL	7		
	13	4.3	23
	20	S-10	
	45		
	100/2"	10.0+ E	22
-30			
432.6			
Gray w/Poorly Indurated Argillaceous LIMESTONE	58		
	100/2"		
430.6			
Auger Refusal in Gray Well Indurated Argillaceous LIMESTONE	100 /4"		
-35			
-40			

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

Page 1 of 2

Date 1/9/02

ROUTE FAP 310 DESCRIPTION FAP 310 over Piasa Creek LOGGED BY M. Tappan

SECTION 42-1-1B LOCATION SE 1/4, SEC. 30, TWP. T7N, RNG. R10W, 3 PM

COUNTY Jersey DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. _____
Station _____

BORING NO. PC-B2
Station 317+85
Offset 60.00ft LT
Ground Surface Elev. 463.3 ft

Surface Water Elev. 452.6 ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter No Encounter ft
Upon Completion _____ ft
After 48 Hrs. 448.3 ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Moist Fine to Med. SAND			
	1		
-5	1 2		
	1		
	1		
455.3	2		
Brown Wet Fine to Med. SAND			
	0		
-10	1		
452.3	1		
Brown & Gray Wet SILTY LOAM			
	0		
	0	0.0	27
449.8	0		
Gray Wet SANDY LOAM			
	0		
▽	1	0.0	25
	1		
447.3			
Brown Med. Clean SAND	0		
	0		
445.3	1		
Brown Med. Clean SAND, washed			
	0		
-20	1		
Brown Med. Clean SAND, washed (continued) 442.8	1		
Gray Med. to Coarse SAND, washed w/some gravel			
	0		
	1		
440.3	2		
Gray Coarse Sandy GRAVEL, washed			
	5		
-25	9		
	3		
437.3			
Dark Blue Gray Shaley Residuum w/Coarse Limestone GRAVEL	20		
	30		
	20/3"		
434.8			
Gray Well Indurated Argillaceous LIMESTONE 434.3			
Borehole continued with rock coring.			
-30			
-35			
-40			

Illinois Department of Transportation — ROCK CORE LOG

Division of Highways, Illinois Department of Transportation

Page 2 of 2

Date 1/9/02

ROUTE FAP 310 DESCRIPTION FAP 310 over Piasa Creek LOGGED BY M. Tappan

SECTION 42-1-1B LOCATION SE 1/4, SEC. 30, TWP. T7N, RNG. R10W, 3 PM

COUNTY Jersey CORING METHOD Christensen NXB Wireline w/Water

STRUCT. NO. _____
Station _____

CORING BARREL TYPE & SIZE NXB

Core Diameter 1.98 in
Top of Rock Elev. 434.80 ft
Begin Core Elev. 434.30 ft

BORING NO. PC-B2
Station 317+85
Offset 60.00ft LT
Ground Surface Elev. 463.3 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Light Gray V. Well Indurated Argillaceous LIMESTONE 434.30					
433.50	1	96	29		
Dark Gray V. Well Indurated Fossiliferous Argillaceous LIMESTONE					
-35	2	100	33		
424.50					
Boring Completed					
-40					
-45					

Note:
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)

HURST - ROSCHE ENGINEERS, INC.
601 NORTH BRUNS LANE
SPRINGFIELD, IL 62702
(217)-787-1199
FAX (217)-793-1199

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAP ROUTE 310
SECTION 42-1-1B
JERSEY COUNTY

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