

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-16-1, 42-1	MADISON	481	176
STA.		TO STA.		
EXISTING CONDITIONS:				

Sheet No. 12  
of 12 Sheets

**Illinois Department of Transportation**  
Division of Highways  
**SOIL BORING LOG**

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Date 7/15/03

ROUTE FAP 310 DESCRIPTION US 67 over Little Piasa Creek LOGGED BY Mark Schreder

SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0061 (E)  
Station 060-0334 (P)

BORING NO. LP-B7  
Station 233+90  
Offset 27.50ft Right  
Ground Surface Elev. 524.9 ft (ft) (ft) (ft) (ft) (ft)

Soil Description	Depth (ft)	Bulge (ft)	Shear (ft)	Penetrometer (ft)	Remarks
Asphalt Pavement	523.9				
Brown Silty CLAY (Fill)	4	3.6	20		
	5	S20			
	2				
	4	2.3	19		
	6	S20			
Gray Silt LOAM	518.9				
Brown Silty CLAY	518.4				
	2	2.0	22		
	4	S20			
	6				
	3	1.8	20		
	5	S20			
	6				
Brown Clay LOAM	513.4				
	2	1.7	17		
	5	S15			
	6				
	4	3.5	22		
	8	S10			
	9				
LIMESTONE (Drilled Hard)	507.9	502"	2		
Borehole continued with rock coring.					
	506.9				
	-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, form 137 (Rev. 8-99)

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SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0061 (E)  
Station 060-0334 (P)

BORING NO. LP-B8  
Station 235+05  
Offset 9.50ft Right  
Ground Surface Elev. 526.6 ft (ft) (ft) (ft) (ft) (ft)

Soil Description	Depth (ft)	Bulge (ft)	Shear (ft)	Penetrometer (ft)	Remarks
Brown Silty CLAY	3	1.8	17		
	5	S10			
	5				
Brown Silty Clay LOAM	522.6				
	4	1.7	18		
	5	S6			
	6				
Brown Clay LOAM	520.1				
	3	2.1	14		
	5	S15			
	7				
Brown Sandy LOAM	517.1				
	4	0.9	14		
	7	S6			
	7				
Brown Clay LOAM	514.6				
	4	5.9	17		
	10	S10			
	15				
	5				
	9	4.0	21		
	12	S10			
Borehole continued with rock coring.	510.1				
	-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)

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**ROCK BORING LOG**

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ROUTE FAP 310 DESCRIPTION US 67 over Little Piasa Creek LOGGED BY Mark Schreder

SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison CORING METHOD Wireline w/Water

STRUCT. NO. 060-0061 (E)  
Station 060-0334 (P)

BORING NO. LP-B7  
Station 233+90  
Offset 27.50ft Right  
Ground Surface Elev. 524.9 ft

CORING BARREL TYPE & SIZE NXB  
Core Diameter 2 in  
Top of Rock Elev. 506.90 ft  
Begin Core Elev. 506.40 ft

Rock Description	Depth (ft)	Core Length (ft)	Core Diameter (in)	Strength (min/ft)	Strength (tsf)	Remarks
Gray LIMESTONE with Broken, Weathered Seams	506.90	1	90	54	3	
	-20	1	90	54	3.5	
	1	90	54	4.5		
	1	90	54	5		
	1	90	54	6		
	1	90	54	6		
	1	90	54	10		
	499.40					
Lost Circulation Barrel Started to Jam in Core End of Boring and Rock Core						
	-30					
	-39					

Color pictures of the cores \_\_\_\_\_  
Cores will be stored for examination until \_\_\_\_\_  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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**ROCK BORING LOG**

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SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison CORING METHOD Wireline w/Water

STRUCT. NO. 060-0061 (E)  
Station 060-0334 (P)

BORING NO. LP-B8  
Station 235+05  
Offset 9.50ft Right  
Ground Surface Elev. 526.6 ft

CORING BARREL TYPE & SIZE NXB  
Core Diameter 2 in  
Top of Rock Elev. 510.10 ft  
Begin Core Elev. 510.10 ft

Rock Description	Depth (ft)	Core Length (ft)	Core Diameter (in)	Strength (min/ft)	Strength (tsf)	Remarks
Gray LIMESTONE	510.10	1	97	78	4.5	
	1	97	78	8		
	1	97	78	8		
	-20	1	97	78	3.5	
	1	97	78	2.5		
	1	97	78	2.5		
	1	97	78	4		
	1	97	78	5		
	-25	1	97	78	4	
	500.60	1	97	78	2	
End of Boring and Rock Core						
	-30					
	-35					

Color pictures of the cores \_\_\_\_\_  
Cores will be stored for examination until \_\_\_\_\_  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SOIL BORING LOGS**  
  
FAP ROUTE 310  
SECTION 60-16-1-1B  
MADISON COUNTY

SDA:TER  
"REF"  
"REF"  
"REF"

PLOT DATE: \*DATE-TIME\*